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Precautions

For U.S.A.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his/her own expense.

Any unauthorized changes or modifications to this equipment would void the users authority to operate this device.

■ You need to read software license agreement before setting up the Printer Driver.

■ You need to read following precautions which describes in the Copier Operating Guide.
- Installation
- Ventilation
- Handling
- Toner and Paper
- Transportation

■ Precautions for hardware
- Precautions for the restriction of the use of the hard disk in the digital copier. Hard disk for this unit is exclusively for the Printer. Do not use for other purpose by disassembling and/or reconnecting cables. In that case, printer function may be failed..
- Data back up in the hard disk data
  When repairing hard disk, it is for drive equipment only to repair or replace.
  As it is not be possible to warranty or repair the saved data, always save back up data.

- Precautions when power switch of the digital copier is turned on/off.
  Be sure never turn the power switch off while hard disk (HDD) is accessing or writing files.
  This may cause the damage to the hard disk, and the data in the disk may be destroyed.
  (If the power switch should turned off, turn on the power switch again after more than 15 seconds.
  If data in the hard disk should be destroyed on that time, Panasonic will not bear any responsibility.)

- When the digital copier is in operation, especially the hard disk is operating or just after the turning off the power switch (approx. 10 sec.), do not move the digital copier.
  (Wait until hard disk completely stops.)

Features

- High resolution printing of 600 × 600 dpi (1200 dpi: Smoothing)
  Enables the printing of documents, photographs, and fine line drawings from the PC.
  Changing the resolution to 300 × 300 dpi, the printing time can be minimized.

- Ledger/A3 size printing
  Enables the printing of Invoice/A5 to Ledger/A3 size.
  Useful for output such as drawings.

- Printing speed of 35 (FP-D355/D355DC)/45 (FP-D455)/60 (FP-D605) prints per minute (Letter/A4)
  Enables high volume document printing in a short time.

- FA-PC360 (PCL5e emulation)/FA-MC360 (PCL5e and PostScript emulation)
  PCL5e is the Page Description Language developed by the Hewlett-Packard Company.
  PostScript is the Page Description Language developed by the Adobe Systems Company.

- Windows® 95/98/Me/Windows® 2000/Windows NT® 4.0/Mac OS
  Document can be printed out using application software designed for Windows® 95/98/Me*, Windows® 2000 & Windows NT® 4.0 and Mac OS.

- Fonts
  (1) The printer comes standard with 46 scaleable fonts. (See P.74) (For FA-MC360, See P.75)
  (2) You can scale TrueType fonts within the printer. You also receive matching TrueType screen fonts for true WYSIWYG, short for “What you see is what you get”. These internal fonts are part of the PCL language.

- Options
  (1) Printer expansion memory (16/32 MB)
  Increase the speed of rusterization when printing.

  - The rusterization process takes place in the printer memory.

  (2) Printer hard disk
  Enables the spool function which is not included in the unit.
  - The spool function will save the data from the PC into printer hard disk and release the responsibility of PC for printing.

  (3) Network Adapter Card
  Use as local network printer in the office.
  Network format is Ethernet.
  When the Ethernet is installed, operation status of the printer and connection of the optional accessories can be checked from the PC. (Refer to the Operating Instructions for Status Monitor)

  (4) Multi Page Discription Language Controller
  Illustrations and Photograph data made by PostScript type can be printed out clearly.

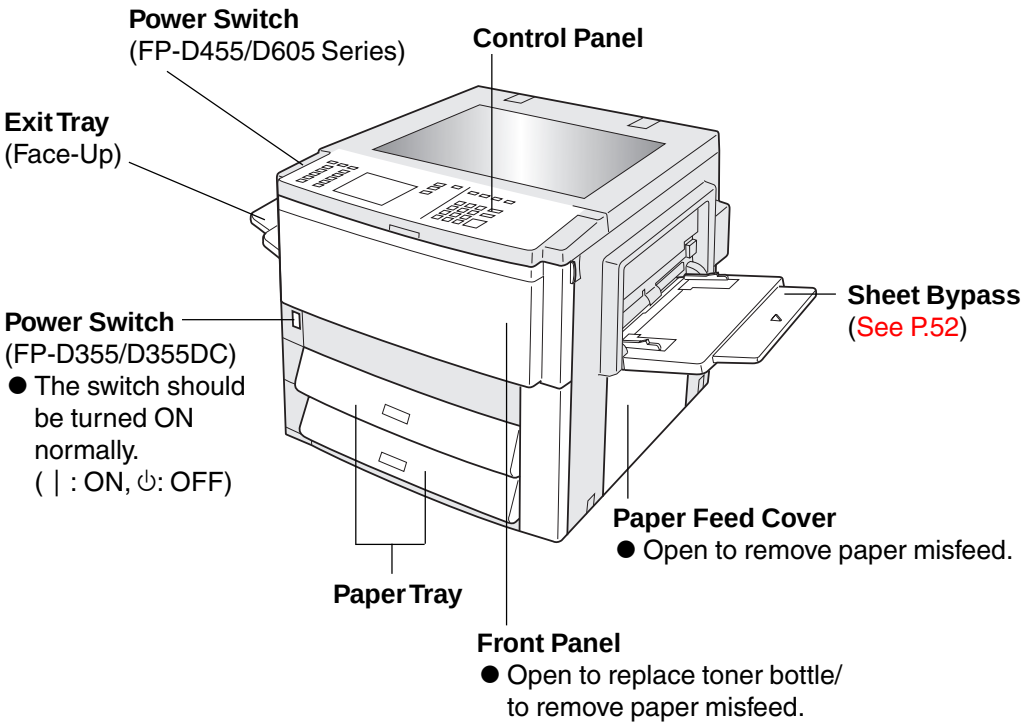
NOTE

- Windows® 95/98/Me/Windows® 2000/Windows NT® 4.0 are registered trademarks of Microsoft Corporation in the United States and/or other countries. Mac OS is registered trademark of Apple Computer, Inc. in the United States and/or other countries.
- Contact your authorized dealer when the additional memory is required.

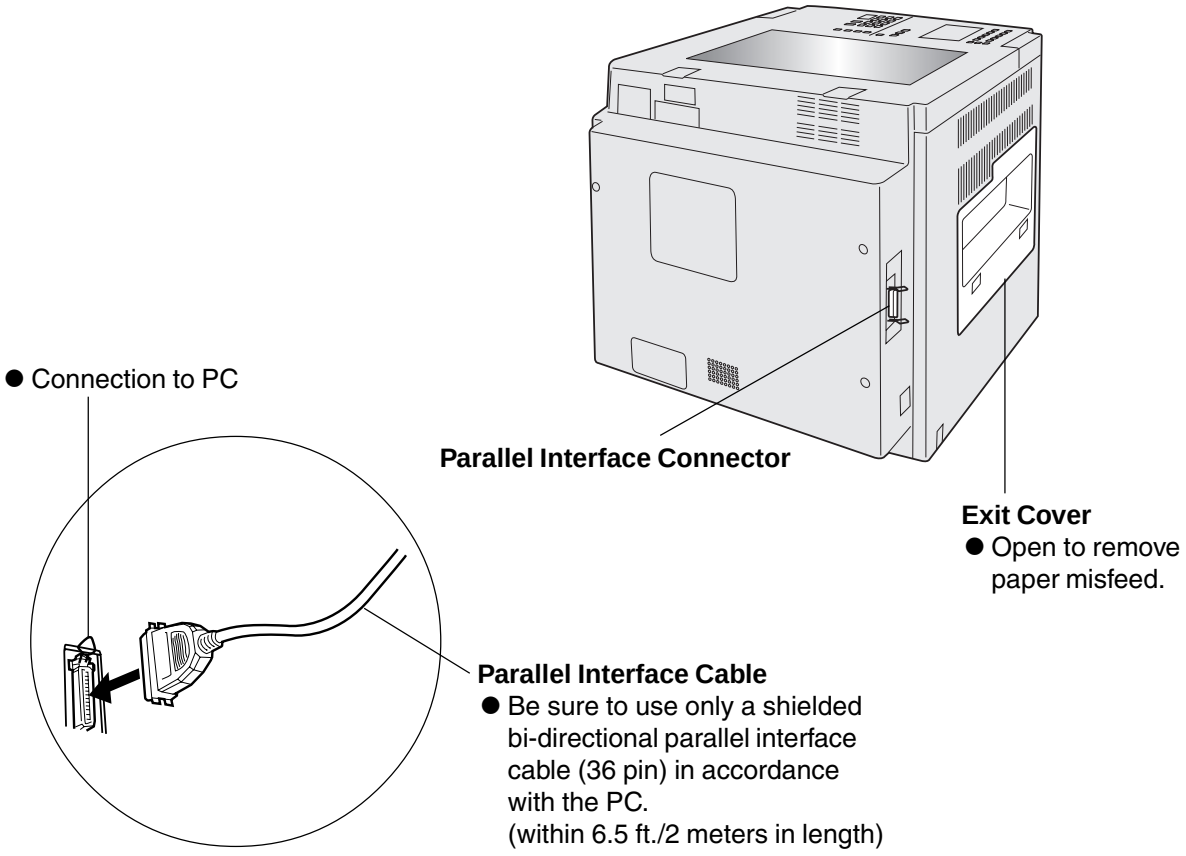
Overview

Main unit

■ Front/Right side

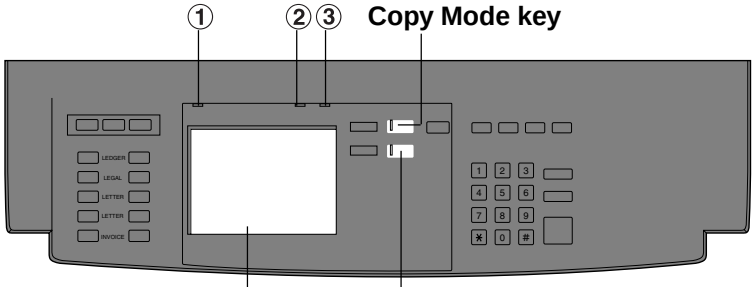


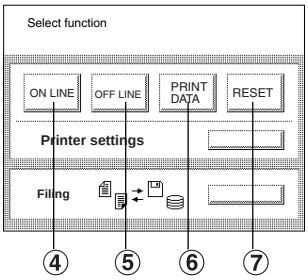
■ Rear side/Left side/Connection to PC


● Connection to PC
Parallel Interface Connector
Exit Cover
● Open to remove paper misfeed.
Parallel Interface Cable
● Be sure to use only a shielded bi-directional parallel interface cable (36 pin) in accordance with the PC.
(within 6.5 ft./2 meters in length)

Selection of Functions

■ Control Panel





● When DD Filing is installed, inserting ID card or inputting password is needed to choose printer settings, or by pressing "Advanced Functions" Key, it can be changed to the printer setting screen.

No	Contents	Function
①	ADD PAPER LED	On: When paper supply is required. (See P.51-53)
②	ON LINE LED	On: When printer is ready to print. Off: When the printer is off-line.
③	DATA LED	Flashing: Data is being received from the PC. On: During printing Off: The printer is in standby or when the print job is completed.
④	ON LINE key	Change the printer off-line to on-line. ● Do not press the ON LINE key when the data LED is flashing or turned On.
⑤	OFF LINE key	Takes the printer to off-line.
⑥	PRINT DATA key	When depressed, this will print any data in the printer memory.
⑦	RESET key	Clear (Reset) the data in the printer.

■ Combining Function Table

● Combination function in Copy, Filing and Printer mode is as follows.

First Selections / Later Selections		Copy	Filing		PC data output
			File memory	File output	
Copy			—	Copy reserve	Copy reserve
Filing	File memory	—		—	○
	File output	—	—		△
PC data output		BUSY	○	BUSY	

○: Combination use possible.
—: No combination use possible.
BUSY: Last selection not accepted as Printer is in use, wait until job is completed.
△: Filing/printer is in use. Last selection job will start automatically when current job is completed.
Copy reserve: Filing/printer is in use. Copy job can be reserved.

Basic Operation

1

Install the printer driver software

Refer to the Software Installation Instructions.

2

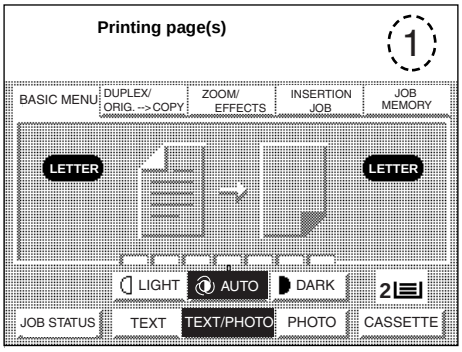
Create the document using application software.

3

Set the print status and options as necessary.

Windows 95/98/Me/2000/NT 4.0: See P.10-18
Mac OS: See P.19-24

4



Print the document which has been created by the application software.

Follow the procedure of the print by the application software which you are using.

ATTENTION

- Print quantity can be selected either by the printer driver or the application software. If both are selected, multiple quantity may be printed out.
- Paper size and print direction can be selected either by the printer or by the application software. In this case, selection by the application software has priority to set.

NOTE

- If a machine error occurs when printing, such as gray color Ledger/A3 size print is being printed, even though printer memory is installed, install the optional electric sorting hard disk. (FA-HD13/HD14)

Table of the selectable print conditions

Item	Refer page		
	Windows® 95/98/Me/2000/NT® 4.0	Mac™ OS	Digital Copier
Paper Source	16	22	25
Copies		22	
Output Paper Size		20	
Orientation*1			
Magnify		23	(—)
Duplex*2	15	(—)	25
Output Order (Ascending, Descending)		24	
Output Form (Face Up, Face Down)			
Staple (Position Setting)			
Booklet (When Duplexing)			
N in 1	16	(—)	(—)
Owner Informations	13	(—)	
Filing (Register the document to the Filing)		24	
Security Print			
Image overlay			
Resolution	10	23	
Density		(—)	
Toner Save			
Smoothing (1200 dpi)	10	24	25
Halftone	10, 18	(—)	(—)
Fonts	11	(—)	
Device Options*3	12	19	

ATTENTION

*1 The orientation with application software is priority than printer setting. If the printed direction is differed from selected direction, fit the both direction (application software and printer setting).

*2 When using the duplexing mode, select the size and orientation to the document.

*3 When the options are newly installed, set the connected options in the device option setting screen, otherwise, some functions may not be possible to use. (See P.12)

Table of the selectable print conditions

<table>
<tr><th rowspan="2">Item</th><th colspan="3">Refer page</th></tr>
<tr><th>Windows® 95/98/Me/2000/NT® 4.0</th><th>Mac™ OS</th><th>Digital Copier</th></tr>
<tr><td>Portrait/Landscape Mirroring
Pattern Inverse
Font substitution
Smooth font
Smooth image
Bitmap arraignment
Unlimit for font download</td><td>(—)</td><td>20</td><td>25
(—)</td></tr>
<tr><td>Pages
Destination
Save settings</td><td>(—)</td><td>22</td><td></td></tr>
<tr><td>Layout direction
Border</td><td>(—)</td><td>21</td><td></td></tr>
</table>

Check the operating status of the printer and connecting status of the optional accessories.

For Windows 95/98/Me/2000/NT 4.0

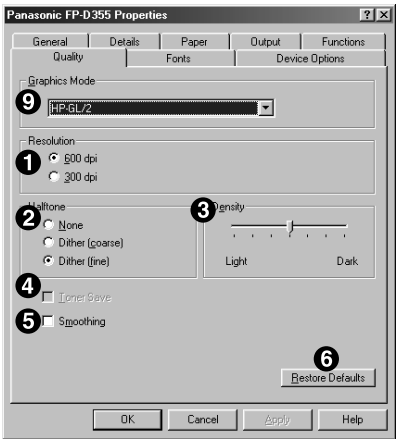
■ Open the printer *Property* and setup the print condition. Click the following procedure.

Start → Settings → Printers → Panasonic ****** → Printer → Properties

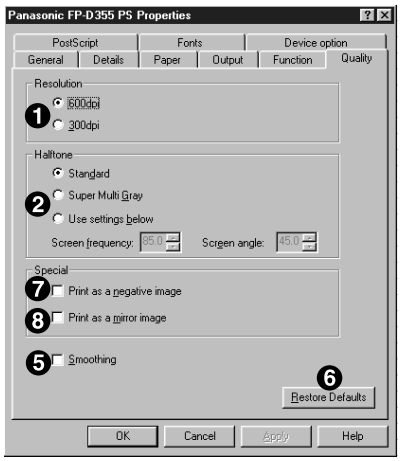
(1) Print Quality

(For windows 95/98/Me)

For Windows 2000/ NT 4.0:
Following items can be set with printer setting menu of application software.



(PCL5e driver)



(PS driver)

No	Item	Setting	Default setting
①	Resolution	600 dpi, 300 dpi	600 dpi
②	Halftone*1	● PCL5e: None, Dither (coarse), Dither (fine) PS: Standard, Super Multi Gray, Use settings below	Dither (fine) Standard
③	Density	Varies Light to Dark (7 positions)	Center position
④	Toner Save*2	Save the toner consumption.	No selection
⑤	Smoothing	Reduce the notches when enlargement print is made. No: 600/300 dpi Yes: 1200 dpi suitable	No selection
⑥	Restore Defaults	Reset the setting of item ① – ⑨ to default setting.	
⑦	Print as a negative image	Prints a inverse image.	No selection
⑧	Print as a mirror image	Prints a mirror image.	No selection
⑨	Graphics Mode	● HP-GL/2 ● Raster	HP-GL/2

NOTE

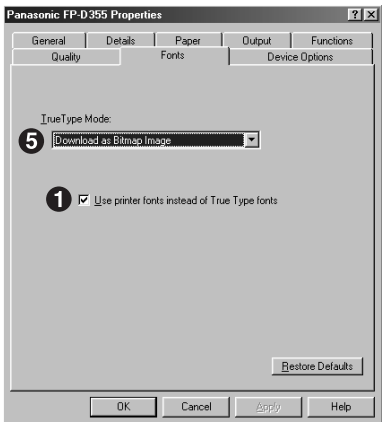
*1 For Windows NT 4.0: refer to page 18

*2 When select the Toner Save mode, font setting will be changed to “Always use True Type fonts” automatically. (See P. 11)

For Windows 95/98/Me/2000/NT 4.0

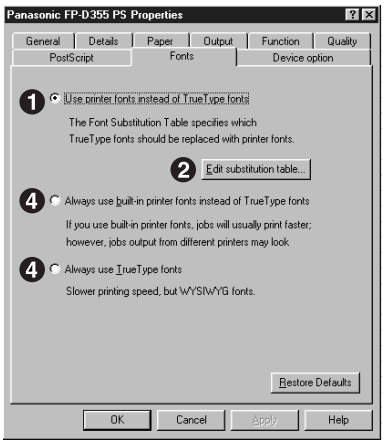
(2) Fonts

Windows 95/98/Me/2000



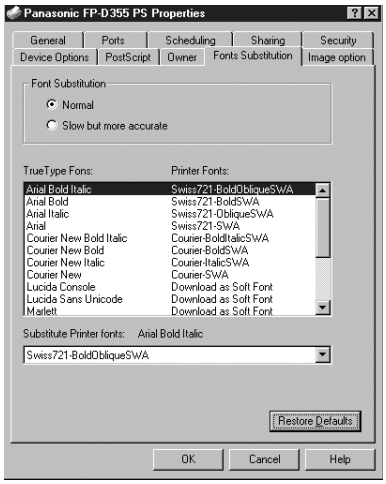
(PCL5e screen.)

Windows 95



(PS screen.)

Windows NT 4.0



(PS screen.)

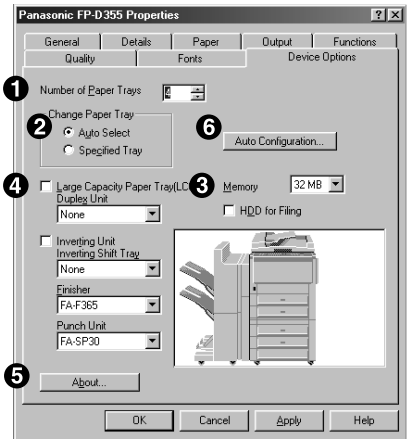
No	Item	Setting	Default setting
①	Use printer fonts instead of True Type fonts	Use PC font or Truetype font according to selected font in the edit substitution table.	Use printer instead of True Type fonts
②	Edit substitution table	Select printer font to substitute TrueType font in the font table.	
③	Always use True Type fonts	Use PC font (TrueType) by down loading to printer. Although print speed is slow, it is possible to print a similar font from the PC	
④	Always use built-in printer fonts instead of True Type fonts.	Use built-in printer fonts. Although print speed is fast however, print out form different printers may look.	
⑤	True Type Mode	Download PC font (True Type) as Bitmap Image or as True Type font.	Bitmap Image

NOTE

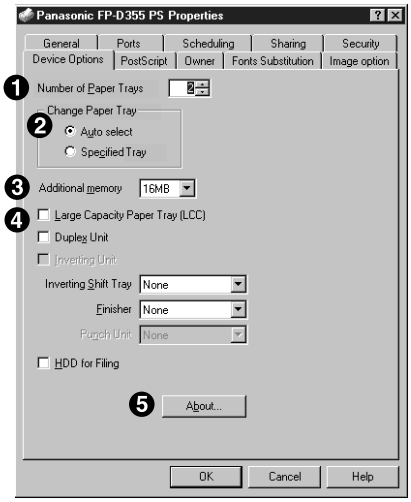
- Print quantity in the electronic sort mode should be set by either application software or printer setting dialog box. If it is selected by both setting, print quantity will be multiple quantity by both settings.
- When select the Toner Save mode, font setting will be changed to “Always use True Type fonts” automatically.

For Windows 95/98/Me/2000/NT 4.0

(3) Device Options



(PCL5e screen)



(PS screen)*1

No	Item	Setting	Default setting
①	Number of Paper Tray	1 (Copier upper), 2 (Copier lower), 3 (System upper), 4 (System middle), 5 (System lower)	2
②	Change Paper Tray	Auto Select, Specified Tray	Auto Select
③	Addtional memory (Memory)	None, 16 MB, 32 MB (This shows only additional memory added.)	None
④	Accessory setting	Large Capacity Paper Tray (LCC), Automatic Duplex Unit, Inverting Unit, Inverting Shift Tray, Finisher, Punch Unit, HDD for Filing.	None
⑤	About (Version information)	Printer Version information is displayed.	
⑥	Auto Configuration	When the Printer is connected to the Network (TCP/IP). This Auto Configuration key is pressed and select printer then installed device options will be automatically detected.*2	

NOTE

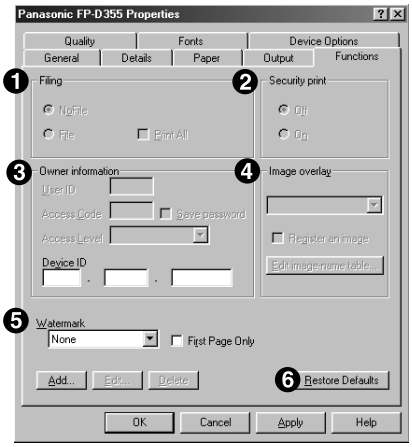
∗1 When using the PostScript emulation, estabish it correctly by manual operation.
∗2 When the device option is not correctly detected, estabish it by manual operation.

For Windows 95/98/Me/2000/NT 4.0

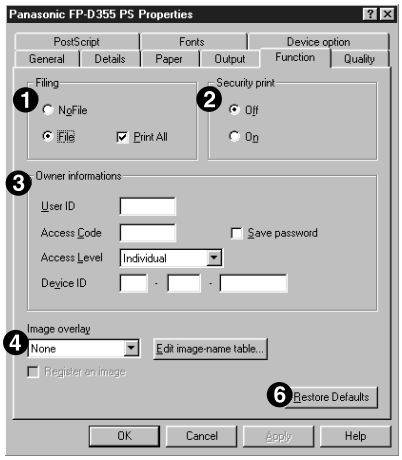
(4) Functions

(For Windows 95)

For Windows NT 4.0:
Following items can be set with printer setting menu of application software.



(PCL5e screen)



(PS screen)

No	Item	Setting	Default setting
①	Filing	The function is available only when the filing unit is installed and owner information is inputted. No File File: Save the created document. Print All: Prints the entire document and files a copy.	No File
②	Security Print*1	Off: On: For filing function: When using as network printer and owner information is inputted, the cover sheet with DD code and title is printed. For Image memory hard disk: Document will be only registered into the hard disk and will not be printed. When printing (See P.26)	Off
③	Owner Informations	User ID, Access Code, Access Level, Device ID	None
④	Image overlay*1*2 (same as Security Print)	When printing, selected image format is combined together.	None
⑤	Watermark	When printing, selected watermark is combined with the document.	None
⑥	Restore Defaults	Reset the setting of item ① – ⑤ to default setting.	

∗1 **Filing function or Image memory hard disk is installed together with the Network Adapter Card.**

∗2 **Registration procedure of the "images 1 to 10".**

1) Create the image (fixed format) using application software of the PC.
2) Select one of the images 1 to 10 of the image overlay in the above function.
3) Click the "Edit image-name table".
4) Select the image name (1 to 10) and re-input the image name.
5) Click "OK".
6) Click "Register an image".

NOTE

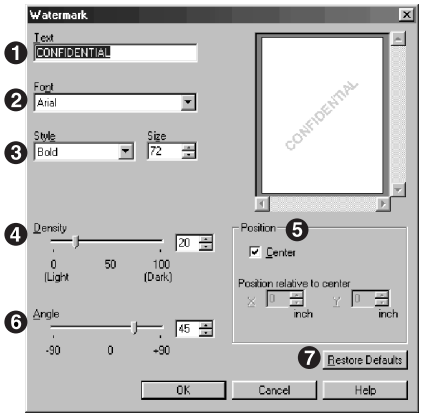
- It is not possible to re-save a file if the security print is made.
- It is not possible to save a file if print is made in the image overlay.

Setting up Print Condition

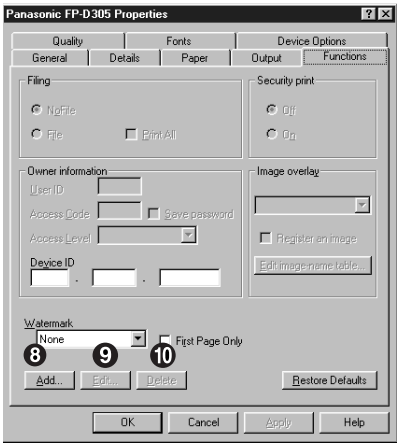
For Windows 95/98/Me/2000/NT 4.0

(4-a) Watermark

Select “Text” ❶ on the screen then click “Edit” ❾.



(Above is Watermark screen.)



(Above is Functions screen.)

No	Item	Setting	Default setting
①	Text	Displays the selected text.*1 ● CONFIDENTIAL, COPY.....	
②	Font	Select the text font. ● Arial, Helvetica	Arial
③	Style Size	Select the text style and size. Style : Regular, Bold, Italic, Bold Italic Size : 8 - 400 point	Style : Bold Size : 72
④	Density	Varies Light to Dark. ● 0 (Light) - 100 (Dark)	20
⑤	Position	Select the text position. ● Center, Position relative to center	Center position
⑥	Angle	Select the text angle. ● -90° to +90°	45
⑦	Restore Defaults	Reset the setting of item ② – ⑥ to default setting.	
⑧	Add	Add other texts.	
⑨	Edit	Change the setting of Watermark. ● Position, Angle, Density, Font	
⑩	Delete	Delete the text.	

NOTE

*1 To change the text, click “Cancel” on the Watermark screen and re-select new text on the functions screen.

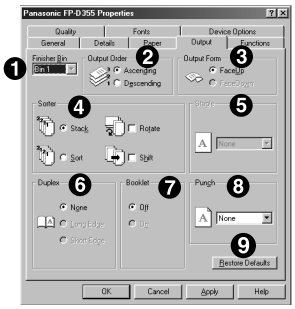
For Windows 95/98/Me/2000/NT 4.0

(5) Output

(For windows 95)

- Both PCL5e and PS are the same screen.

For Windows NT 4.0:
Following items can be set with printer setting menu of application software.



No	Item	Setting	Default setting
①	Finisher Bin	Select the paper exit bin from the printer when using FA-F320/F350/F355/F365/TR355 (option).	Bin 1
②	Output Order	Ascending: Paper exit from the first page. Descending: Paper exit from the last page.	Ascending
③	Output Form	Face Up: When using inverting unit, it is possible to select face up paper exit. Face Down: Print out with print side down	Face Up
④	Sorter*1	Stack (Group): Multiple prints of each original are placed into separate bins. Sort: 1 sheet of each original is placed into a separate bin. (available only selecting the sort mode) Rotate: Grouped or sorted sheets are separated rotation and exit onto tray. Shift: Grouped or sorted sheets are offset and exit onto tray.	Stack
⑤	Staple*1	You can only use staple when sort is selected. None, Left-1, Left-2, Right-1, Right-2	None
⑥	Duplex*1 (with Automatic duplex unit)	None: It disables double sided printing. Long Edge: Regular book format Short Edge: Sketch book format (Rotate mode of sorter can not be used)	None
⑦	Booklet*2	Booklet requires the Automatic duplex unit. It allows use with Filing settings. Off On: Prints will come out in book style. Paper Source: Paper size setting (must be set) (Ledger/Letter/A3/A4 only) (FA-F365:Punch mode cannot be used) (FA-F320/F350/F355: Staple and Punch mode can not be used)	Off
⑧	Punch	When using FA-F320/F365+SP30/40 (option), it enables hole punch printing. (Rotate mode of sorter can not be used)	None
⑨	Restore Defaults	Reset the setting of item ① – ⑧ to default setting.	

ATTENTION

∗1 All sorting selections must be made at the printer driver screen.
The collate option must be turned off in the application software.

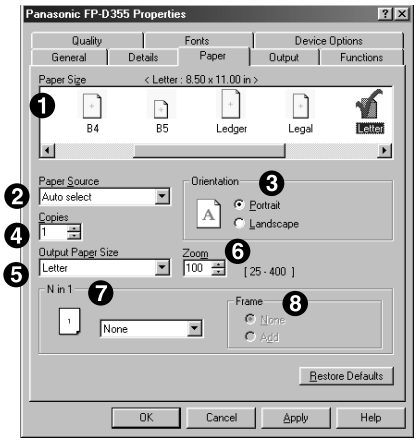
∗2 When using the booklet mode, descending and face down mode can not be used.
Descending mode of output order is selected:
If the printer image memory is full, change to the ascending mode or print the document separately.

For Windows 95/98/Me/2000/NT 4.0

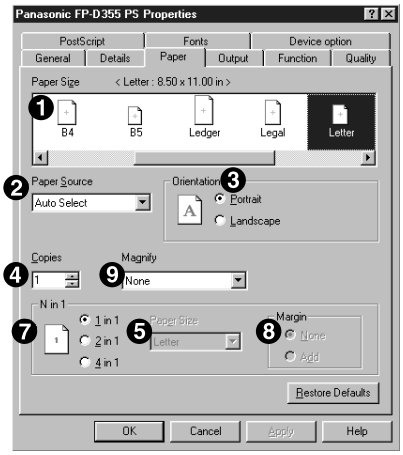
(6) Paper

(For windows 95)

For Windows NT 4.0:
Following items can be set with printer setting menu of application software.



(PCL5e screen)



(PS screen)

No	Item	Setting	Default setting
①	Paper Size	Ledger, Legal, Letter, Invoice, Post Card A3, A4, A5, B4, B5 User Preset size (Fixed size)	Letter/A4
②	Paper Source	Auto select, Upper tray, Lower tray, System console (upper/middle/lower), LCC, Sheet bypass	Auto select
③	Orientation	Portrait, Landscape	Portrait
④	Copies	1 to 999	1
⑤	Output Paper Size	Print size when selecting N in 1 A3, B4, A4, B5, A5 Ledger, Legal, Letter, Invoice	Letter/A4
⑥	Zoom	Print with variable zoom ratios from 25 % to 400 % ● Limitation(600 dpi) A3 : up to 330 % Ledger : up to 320 % B4 : up to 380 % Legal : up to 390 % User definition size : 320 - 400 %	100
⑦	N in 1*	PCL5e: 1 in 1,..., 2 in 1, 4 in 1, 6 in 1, 8 in 1, 9 in 1, 16 in 1 PS: 1 in 1, 2 in 1, 4 in 1	1 in 1
⑧	Frame (PCL5e) Margin (PS)	Frame when selecting N in 1 mode None, Add	None
⑨	Magnify	Selects print size None, Print sizes ex: Letter ➡ Ledger, Letter ➡ Legal...	None

ATTENTION

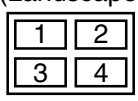
* The N in 1 modes must be made at the printer driver screen.
  The collate option must be turned off in the application software.

NOTE

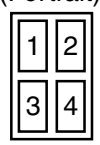
* From two (or four) page documents, side by side, to 1-sided prints.
  Margin Add: Create the margin (8 mm) between each page.

Example: 4 in 1

(Landscape)



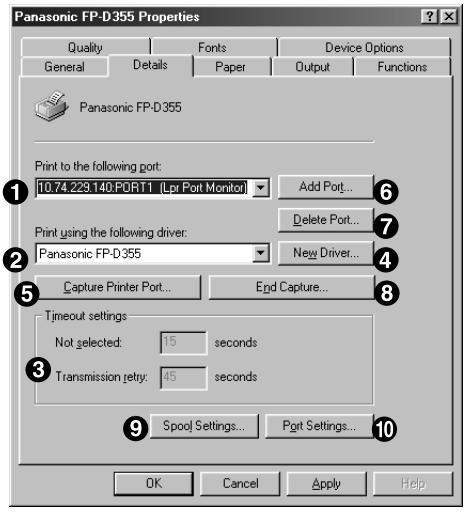
(Portrait)



For Windows 95/98/Me/2000

(7) Details

- Both PCL5e and PS are the same screen.



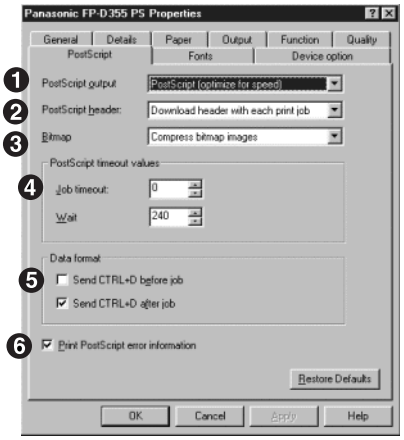
No	Item	Setting	Default setting
①	Print to the following port	FILE: creates a file on disk LPT1: Printer port	LPT1: Printer port
②	Print using the following driver	Displays the currently selected default printer.	Display all print drivers which selected Regular Use Printer
③	Timeout settings	Displays error indication when its over wait time setting after transmitting the document data. ● Not selected: Waiting time from sending data to recognize the next data. ● Transmission retry: After error display, waiting time after sending the data to retry.	 15 45
④	New Driver	Installing another printer driver.	
Following item will be used when using as a network printer.			
⑤	Capture Printer port		
⑥	Add Port		
⑦	Delete Port		
⑧	End Capture		
⑨	Spool Settings	Set up the timing when print data is sent to the printer. ● After spooling the entire print job ● After spooling the first page of data ● Without spool	After spooling the data from the first page
⑩	Port Settings	It allows to set the printer port which is using ● Spool print job of MS-DOS (S) ● Check port condition before printing (C)	Check the port condition before printing

Windows 95/NT 4.0

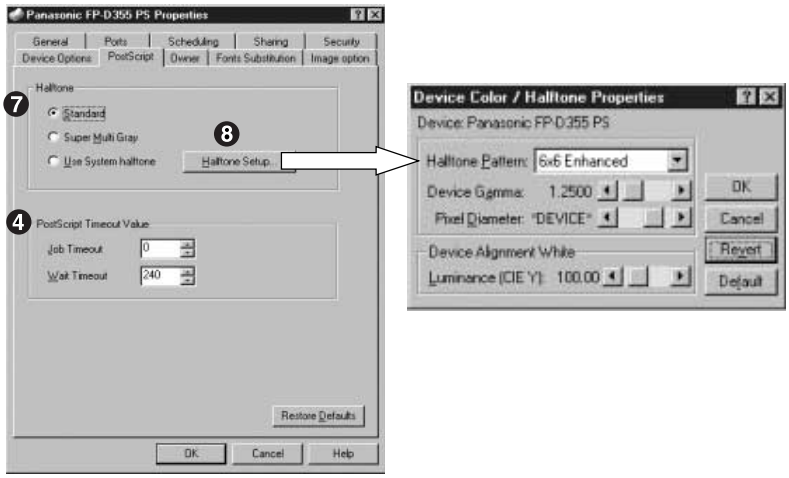
(8) PostScript

● PS only

Windows 95



Windows NT 4.0



No	Item	Setting	Default setting
①	PostScript output	Selects printing method. ● PostScript (optimize for speed) Enscapsulated PostScript (EPS)	PostScript
②	PostScript header	Selects header download. ● Download header with each print job Assume header is downloaded and retained	Download header with each print job
③	Bitmap	Selects image data is (or not) compressed. ● Compress bitmap images No bitmap compression	Compress bitmap images
④	PostScript timeout values	Selects timeout values ● Job tiomeout: Waiting time from sending data to recognize the next data. ● Wait: After error display, waiting time after sending the data to retry.	0 second 240 seconds
⑤	Data format	Selects timing of CTRL+D signal ● Send CTRL+D before job Send CTRL+D after job	Send CTRL+D before job
⑥	Print PostScript error information	When inform the PostScript error ● Select, Not select	Select
⑦	Halftone	(See P.10)	
⑧	Halftone Setup	When printing the halftone or color image. ● Halftone Pattern, Device Gamma, Pixel Diameter, Device Alignment White ● Revert: Revert the before setting. ● Default: Reset the above setting items to default setting.	

For Mac OS

Print conditions can be selected as follows:

Item	Procedures	Reference page
When installing the options	Setting the *Configure* of Printer Description file (PPD).	————
Set the following items after starting the application software.		
Paper size, Orientation, Scale etc.,	Setting the *Page setup* of File menu.	See P.20
Copies, Pages, Paper, Duplex, N in 1, Printer Specific Options (Resolution, Output Order, etc.,)	Setting the *Print* of File menu.	See P.22

When installing the options

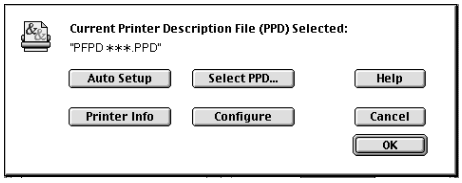
1

①Select the *Apple* mark.
②Click the Chooser of indicated list.

2

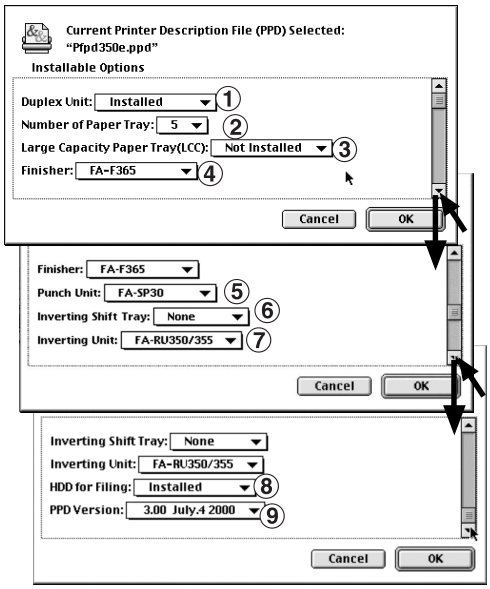
①Click the *LaserWriter ∗∗∗*.
②Select the *MEI_ ∗∗∗∗∗∗*.
③Click the *Setup...*

3



Click the *Configure*.

4



Set the installable option(s) and Click *OK*.

1/3 window
①Duplex unit
(Not installed, installed)
②Number of paper tray (1 - 5)
3 - 5: For System console only
③Large Capacity Paper Tray (LCC)
(Not installed, installed)
④Finisher
(Not installed, FA-F320, FA-F350/F355, FA-F365)

2/3 window
⑤Punch Unit
(Not installed, FA-SP30, FA-SP40)
⑥Inverting Shift Tray
(Not installed, FA-TR350, FA-TR355)
⑦Inverting Unit
(Not installed, FA-RU350/355)

3/3 window
⑧HDD for Filing
(Not installed, installed)
⑨PPD Version

Setting up Print Condition

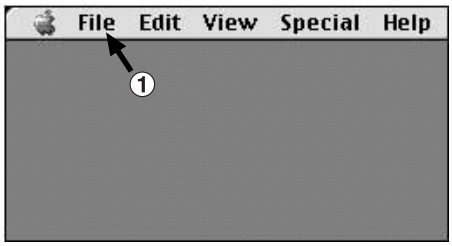
For Mac OS

1

Start the application software.

Example: Simple Text, Ms-Word etc.,

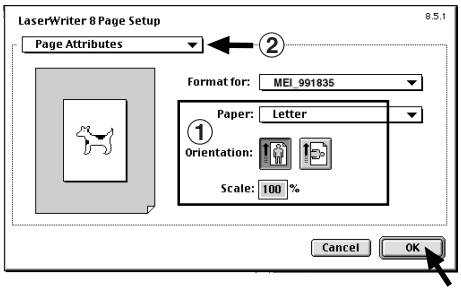
2



① Click the *File*.

② Click the *Page setup* of indicated list.

3



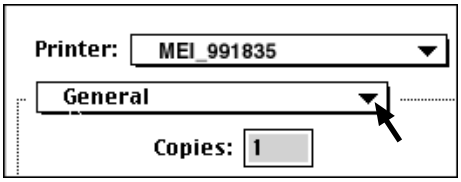
Set the above ① ② and click *OK* if necessary.

Item	Setting	Default setting
Paper	● Ledger, Legal, Letter, Invoice A3, A4, A5, B4, B5	Letter/A4
Orientation	● Portrait, Landscape	Portrait
Scale	Prints with variable zoom ratios ● 1 to ###% in 1% increments	100%
Following items can be set by selecting the PostScript Option on ② menu		
Mirroring of portrait	A mirror image can be made with portrait direction	None
Mirroring of landscape	A mirror image can be made in landscape direction	None
Pattern Inverse	Negative/Positive image can be made	None
Font substitution	Used fonts can be substituted with PostScript fonts for highly resolution. Example: New York, Times, Geneva Helvetica, Monaco, Courier	Selected
Smooth font	Used fonts will be substituted with Bitmap fonts.	Selected
Smooth image	Reduce the notiches when enlargement print is made.	Selected
Bitmap arraignment	When the graphic image is warped, warp can be removed with reducing the image. Ratios: 4% (300/600 dpi), 10%(300 dpi)	None
Unlimit for font download	When the fonts are downloading.	None

For Mac OS

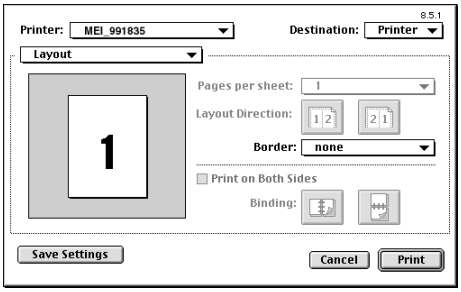
Layout setting

4



Click and hold ▼ mark then select the Layout.

5



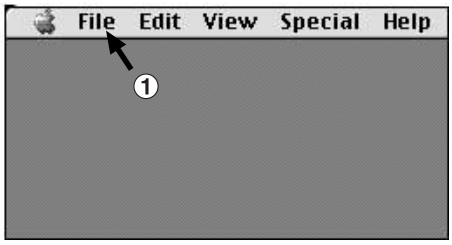
Item	Setting	Default setting
Page per sheet	From plural pages documents, side by side, to 1-sided prints ● 1, 2, 4, 6, 9, 16 – page	1 page
Layout direction	Selecting the page layout when page per sheet is selected. ● Left to right page (left side icon) ● Right to left page (right side icon)	Left to right page
Border	Selecting the line type when the page per sheet is selected. ● None, Single hairline, Single thin line, Double hairline, Double thin line.	None
Print on both sides	Selecting the print on both sides. (When the duplex unit is installed)	Not selected
Binding	Selecting the binding direction when the print on both sides is selected. ● Regular book format (left side icon) ● Sketch book format (right side icon)	Regular book format

For Mac OS

1 Start the application software.

Example: Simple Text, Ms-Word etc.,

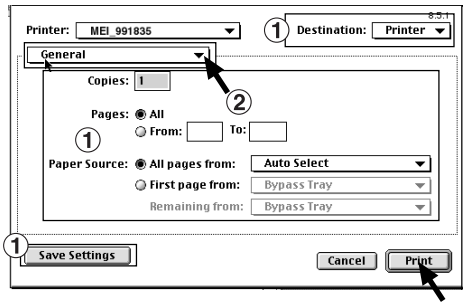
2



① Click the *File*.

② Click the *Print* of indicated list.

3



Set the above ① and ② click *Print*, then Print out will start.

- When click ▼ mark, following items can be selected.
  Layout (See P.21), Option (See P.23)

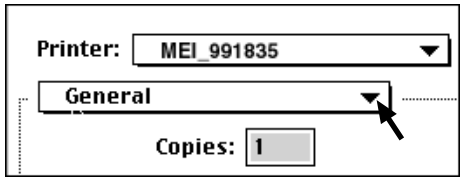
Page setting

Item	Setting	Default setting
Copies	1 to 999	1
Pages	Set up the print page(s) ● All, From: ## To: ##	All
Paper Source	All pages from ● Auto select, Main upper tray, Main lower tray Following settings are option. System console upper/middle/lower, LCC tray	All pages from Auto select
	● First page from: Set up tray for first page Remaining: Set up tray for remaining page	
Destination	● Printer ● File (When output the file format)	Printer
Save settings	● When saving the settings	

For Mac OS

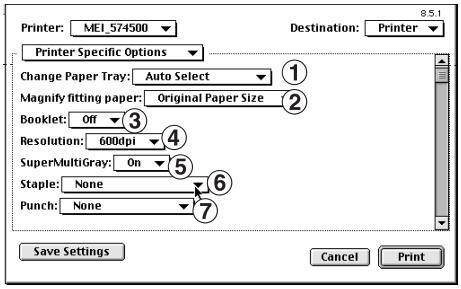
Printer Specific Options

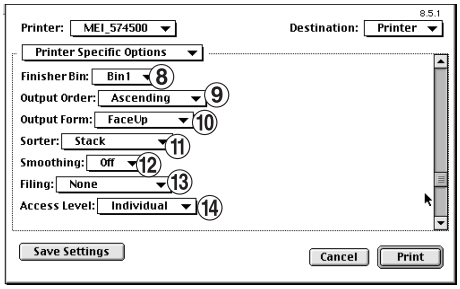
4

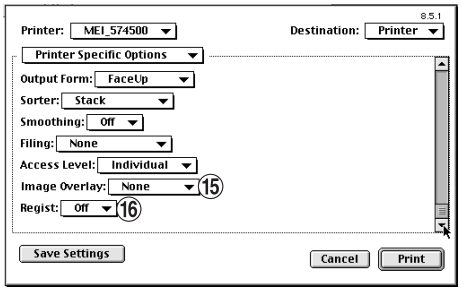


Click and hold ▼ mark then select the Printer Specific Options.

5







No.	Item	Setting	Default setting
①	Change Paper Tray	Auto Select, Specified Tray	Auto Select
②	Magnify fitting paper	● Original Paper Size ● Select from following size: A3, A4, A5, B4, B5, Invoice, Letter, Legal, Ledger	Original Paper Size
③	Booklet	● On, Off	Off
④	Resolution	● 600 dpi, 300 dpi	600 dpi
⑤	Super Multi Gray	● On, Off	On
⑥	Staple	● None Portrait Left-1/2, Landscape Left-1/2, Portrait Right-1/2, Landscape Right-1/2, Portrait Top-2, Landscape Top-2, Center (FA-F320: Left-1 only)	None
⑦	Punch	● None ● Portrait Left/Right, Landscape Left/Right, Portrait Top, Landscape Top (Left only when FA-F320 is installed.)	None
⑧	Finisher Bin	● 1 to 3 Bin When FA-TR355/F320/F350/F355/F365 is installed. (FA-TR355/F320/F365:1, 2 bin only)	1 Bin

For Mac OS

No.	Item	Setting	Default setting
⑨	Output Order	● Ascending: Paper exit from the first page. ● Descending: Paper exit from the last page.	Ascending
⑩	Output Form	● FaceUp: Print out with print side up. ● FaceDown: Print out with print side down. (FaceDown: When FA-TR350/TR355/RU350/ RU355 is installed.)	FaceUp
⑪	Sorter	● Stack: None Sort/Group mode ● Sort: 1 sheet of each original is placed into a separate bin. ● Rotated Stack (Group): Grouped sheets are placed and separated rotation onto tray. ● Rotated Sort: Sorted sheets are separated rotation and exit onto tray. ● Shifted Stack: Grouped sheets are offset and exit onto tray. ● Shifted Sort: Sorted sheets are offset and exit onto tray.	Stack
⑫	Smoothing	● On, Off	Off
⑬	Filing	Available to select when Filing unit is installed. ● None ● Filing ● Filing Print ● SecurityPrint	None
⑭	Access Level	● Individual, Group, Public	Individual
⑮	Image Overlay	Available to select when Network adaptor and filing unit are installed. ● None, Image 1 to 10	None
⑯	Regist	● On, Off	Off

ATTENTION

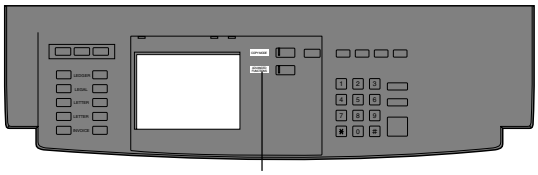
● ⑬ Filing, ⑮ Image Overlay, ⑯ Regist functions cannot work when *PFPD User Information Chooser US* screen is not opened.

NOTE

● Please ensure [Collate] function is not checked when Sort, N in 1 and/or Booklet is selected.

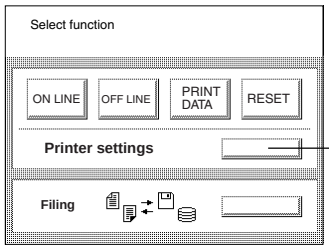
Setting up Print Condition

For Control Panel of Digital Copier



1

Press the Advanced Functions key

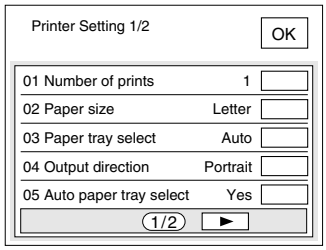


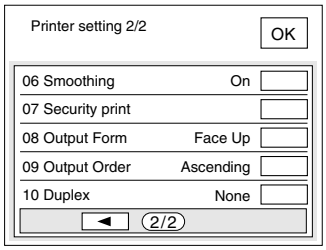
2

Touch the OFF LINE key and Printer settings key

3

Set the desired Item key





4 Select the desired setting item with LCD display and touch OK key.

5 Touch OK key and ON LINE key

Item	Setting	Default setting
01 Number of prints	Input the number of prints with quantity key of the copier control panel and touch OK key of LCD. 1 to 999	1
02 Paper Size	Select the size and touch OK key. A3, B4, A4, B5, A5, FLS1, FLS2, LEDGER, LEGAL, LETTER, INVOICE	Letter/A4
03 Paper tray select	Select the cassette and touch OK key. Automatic cassette selection, Upper cassette, Lower cassette, Bypass. The following is available when installing optional accessories. LCC, System console (upper/middle/lower)	Auto
04 Output direction	Select the print direction and touch OK key. Portrait, Landscape	Portrait
05 Auto paper tray select	When the paper of selected cassette was empty, other direction paper of same size will be selected. Select this feature and touch OK key. Yes, No	Yes
06 Smoothing	1200 dpi, used to reduce jagged areas on curves and fine lines. On, Off	On
07 Security print	When registered document is printed (one by one).	See P.26
08 Output Form	Select putput form and touch OK key. Face Up, Face Down	Face Up
09 Output Order	Select output order and touch OK key. Acsending, Descending	Ascending
10 Duplex	Select duplex and touch OK key. No, Long Edge, Short Edge	None

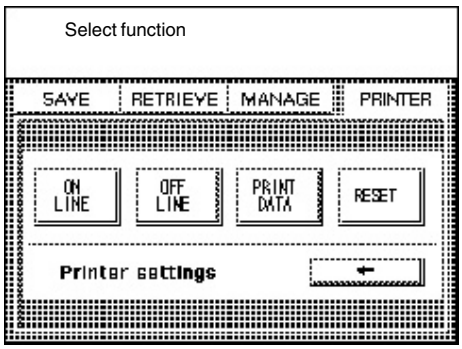
NOTE

- When printing with a PC:
  Windows 95/98/Me/2000/NT 4.0: See P.10-18
  Mac OS: See P.19-24

Printing the Security Print file(s)

When printing the registered document file(s) by Security Print function.

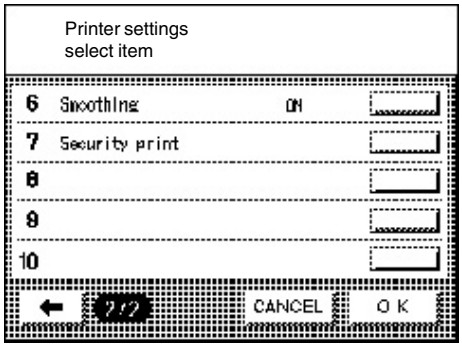
1



① Press the Advanced Functions key on the control panel.

② Touch the PRINTER and OFF LINE key then select the Printer settings.

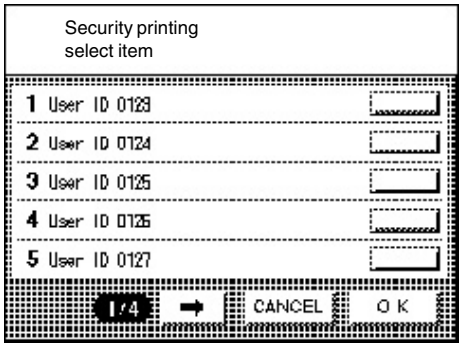
2



① Select the 2/2 screen.

② Select “7 Security print”.

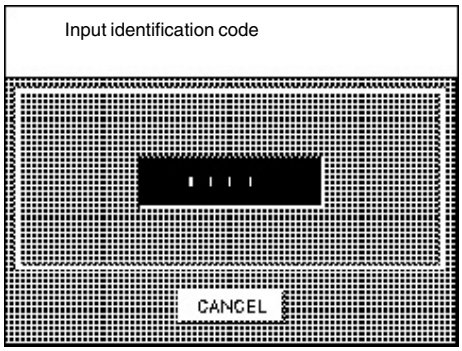
3



① Select the User ID “registered document”.

② Touch OK key.

4



Input the identification code.
(4 digits)

5

Print will start.
The data which was printed will be deleted from the hard disk.

Contents of Limitation

(1) Limitation of print function

① Applicable printer emulations are PCL5e and PostScript (Level 2).
Windows 98/Me/2000 is not available operation for PostScript emulation.

② When using the parallel port and Ethrnet at the same time, select Job Completion detection (PCL) in the parallel menu and select “Yes” for Digital Copier.

③ Complicated originals such as graphics may not print, entirely.
In this case, change the resolurtion to 300 dpi or install optional hard disk (FA-HD13/HD14)

(2) Paper size limitations:

① Paper size and paper tray
Unsupported paper size is selected, it must be used through the bypass tray.
Face down printing of unsupported paper size is not allowed.

② Paper rotation is only available when automatic paper selection is selected.

③ Precautions for filing and/or making security print.
Paper size can only be selected by the original key in the control panel of the digital copier.

(3) Limitations for each OS

① Windows

- MSExcel may divide the print job when selecting [Entire Book]. The staple, punch, duplex, DD filing, N in 1 and Booklet may not print properly.
- Please select [Time out setting] of parallel port as [0] if print job stops in the middle of run or the image cuts off with parallel connection.
- Lotus AmiPro can only use with Windows 3.x.
- The PPD file is necessary when printing from PageMaker.
  Please use General PPD file that comes with PageMaker, however the unique function will not be available.
- Please [Login] with authorized user name such as [PowerUsers] or [Administrators] when [DD filing], [Security Print] or [Image Overlay registration] setting required.

NOTE

- PCL5e is the printer language for Hewlett Packard corporation.

② Mac OS
- The DD code is located in the top left corner when choosing landscape printing.
- The LaserWriter 8.4.3 can not customize paper sizes correctly. Please use the LaserWriter 8.5.1 instead of 8.4.3.
- MSWord may not print correctly in case of mismatching between [Paper size] in the [Page set up]>[Page Attributes] and [Custom Page Sizes] in the [Page set up] when using LaserWriter 8.5.1 with Custom size.
- Please select [FaceDown] when using staple function with two(2) bin finisher.
- The Windows font with @ may not print properly when using the application data on Mac environment.
- Please do not select [N in 1] and [Zoom] at same time. The PostScript error will occur.
- The duplex unit counts as cassette [1]. Please select the [Number of Drawers] as actual drawers plus one.
- The Customized paper size is only available 100% ratio print.
- Please delete [PFPD*.*] before updating PPD file. The [PFPD*.*] file is located at [System Folder]>[Preferences]>[Printing Prefs]>[Parsed PPD Folder].
- Please select opposite icon versus actual binding direction when printing landscape direction with LaserWriter 8.4.3 and 8.5.1.
- The data file format can be set to an application. Please match the format with printer protocol setting.
- The cover page can not print as Japanese.
- The overlay will print only 100% ratio, when the opposite orientation is selected.

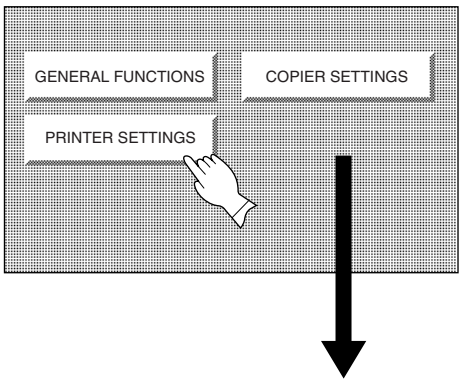
③ Both Windows/Mac
- Please close all applications before changing the printer property setting.
- Please ensure [Collate] function is not checked when Sort, N in 1 and/or Booklet is selected.
- Non defined character will print out as [?] when using the printer font.
- Please uncheck the [Use printer font] if PostScript error appears with PDF file printing from Acrobat Reader.
- If character prints with overlapped image, please select the [Always use True type fonts] in the [Font] tag.

(4) Other limitation

① Setting of face up/face down in the A to Z mode print is only available when inverting shift tray (FA-TR350) or inverting unit (FA-RU350/RU355).
② Spool data in the HDD for the printer (option) is deleted by turning off the power switch.
③ You cannot spool data to the HDD when the printer is offline
④ HDD for the printer (option) is used only for spool.
⑤ N in 1
Mixed orientation document (Portrait and Landscape) cannot be printed correctly.
When the except auto select of paper source is selected:
If the selected paper size with printer driver is not stored in the desired tray, printer cannot print correctly.
⑥ Booklet
When printing to the Letter/A4 size, set the Landscape.
⑦ N in 1, Booklet and Duplex
When the paper runs out in the paper tray, the printer cannot change the paper tray automatically.

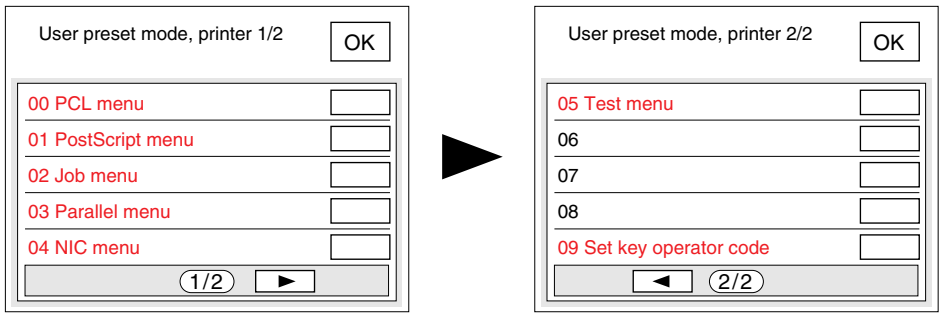
Printer Settings (User Preset Mode)

■ **This setting should be made only from the control panel of the Digital Copier.**



<Procedures>

① Press the Advanced Functions key on the digital copier control panel.
② Touch the OFF LINE key on the touch panel display.
③ Press the User Preset key on the control panel.
④ Touch the PRINTER SETTINGS key on the touch panel display.
⑤ Set the desired function(s) and touch OK.
⑥ Press the User Preset key.
⑦ Press the Advanced Functions key and touch ON LINE key.



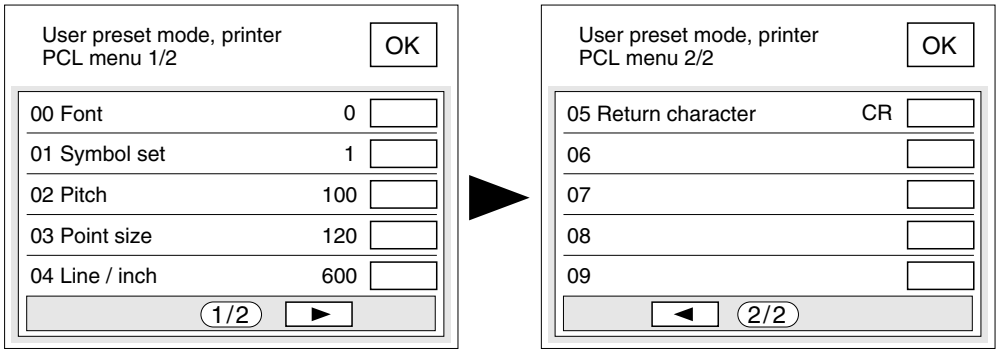
Screen No.	Modes	Function	
1/2	00 PCL menu	Font, Symbol set, Pitch, Point size, Line/inch, Return character	See P.30
	01 PostScript menu (FA-MC360)	Font, Half tone, Protocol	See P.31
	02 Job menu	Resolution, PJL status response, PDL select	See P.32
	03 Parallel menu	Time out, Job completion, PostScript response (Option)	See P.32
	04 NIC menu	Job completion, PostScript response (Option)	See P.33
2/2	05 Test menu	Test print, Font list print	See P.33
	06 (Reserved)		
	07 (Reserved)		
	08 (Reserved)		
	09 Key operator mode	Input key operator ID number.	See P.34

NOTE

● To reset the user preset mode, press User Preset key on the digital copier control panel

Printer Settings (User Preset Mode)

PCL menu



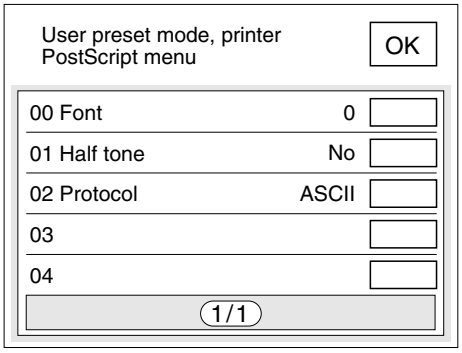
Screen No.	Modes	Function	Initial setting
PCL menu 1/2	00 Font	Select the number of the font table ● 0 ~ 46 (See P.74)	23
	01 Symbol set	Select the number of the symbol table ● 0 ~ 35 (See P.76)	0
	02 Pitch	Select the character pitch ● 0 ~ 999 1 unit (=0.1 point pitch)	100
	03 Point size	Select the character size ● 40 ~ 9995 1 unit (=0.1 point pitch) Select using up/down key	120
	04 Line/inch	Select the line/inch ● 100 ~ 4800 100 unit (=1 point pitch) Select using up/down key	600
PCL menu 2/2	05 Return character	Select the return character ● CR only, CR+LF CR (Carriage return) LF (Line field)	CR
	06 (Reserved)		
	07 (Reserved)		
	08 (Reserved)		
	09 (Reserved)		

NOTE

● To reset the user preset mode, press User Preset key on the printer control panel

Printer Settings (User Preset Mode)

PostScript menu



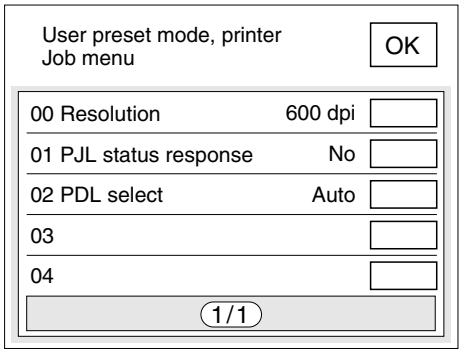
Screen No.	Modes	Function	Initial setting
PostScript menu 1/1	00 Font	Selection of font ● 0 to 36 (See P.75)	8
	01 Half tone	Select SMG (Super Multi-Gray) function ● No SMG: Clear the half tone printing when the half tone image	No
	02 Protocol	Select data type from PC ● ASCII, Binary	ASCII
	03 (Reserved)		
	04 (Reserved)		

NOTE

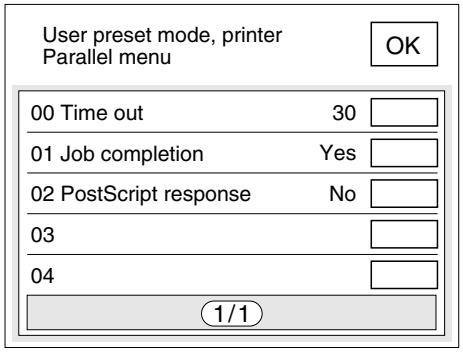
● To reset the user preset mode, press User Preset key on the printer control panel

Printer Settings (User Preset Mode)

Job menu



Parallel menu



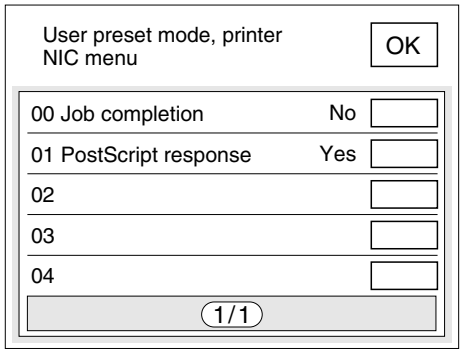
Screen No.	Modes	Function	Initial setting
Job menu 1/1	00 Resolution	Selection of resolution ● 600 dpi, 300 dpi	600 dpi
	01 PJL status response	Select PJL status response function ● No/Yes PJL (Printing Job Language)	No
	02 PDL select	Select PDL (Printer Description Language) selection ● Auto/PCL/PS	Auto
	03 (Reserved)		
	04 (Reserved)		
Parallel menu 1/1	00 Time out	Select the period time of next data/documents. If there is no data within setting time, display time out to PC. ● 0 ~ 999 seconds (0=No time out setting)	30 seconds
	01 Job completion	Select if the period of sentence is detected or not. ● No/Yes When “No” is selected, it will Time out.	Yes
	02 PostScript response	Selection of response or not ● No/Yes When “Yes” is selected, the following job will not be printed until a response is received.	No
	03 (Reserved)		
	04 (Reserved)		

NOTE

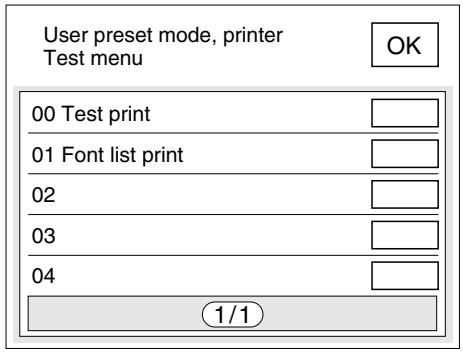
● To reset the user preset mode, press User Preset key on the printer control panel.

Printer Settings (User Preset Mode)

NIC menu



Test menu



Screen No.	Modes	Function	Initial setting
When using as network printer			
NIC menu 1/1	00 Job completion	Select if detect the period of the sentence (data) or not. ● No/Yes When selecting “No”, it will be time out settings. Select if respond or not.	No ● Documents will be controlled out by session in the network printer.
	01 PostScript response	● No/Yes When select “Yes”, next job will not be started until receiving response	Yes
	02 (Reserved)		
	03 (Reserved)		
	04 (Reserved)		
Test menu 1/1	00 Test print	Select to make a test print or not. ● Stop/Start	Stop
	01 Font list print	Select to print a list of built in printer fonts. ● Stop/Start	Stop
	02 (Reserved)		
	03 (Reserved)		
	04 (Reserved)		

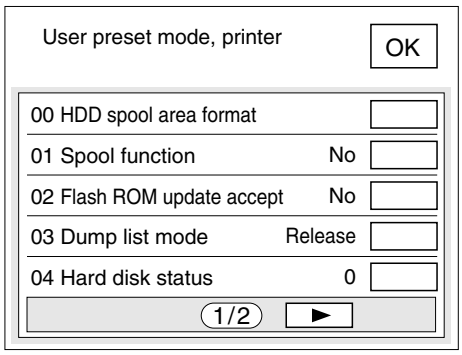
NOTE

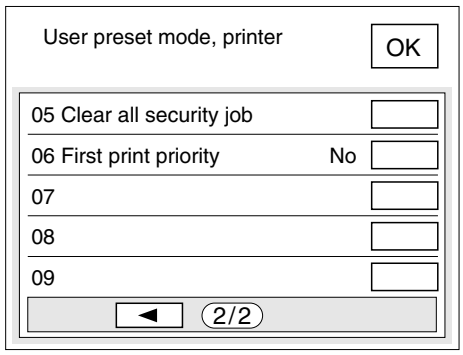
● To reset the user preset mode, press User Preset key on the printer control panel.

Printer Settings (User Preset Mode)

(Key Operator Only)

■ **Following settings become available by touching "09 Key Operator" and input the Key operator ID number on the menu screen.**





Screen No.	Modes	Function	Initial setting
1/2	00 HDD spool area format	Selection of spool capacity of the hard disk (HDD) ● None, 128 MB, 256 MB, 512 MB	128 MB
	01 Spool function	Selecting to spool the data or not to the printer HDD when using as network printer. ● No/Yes	No
	02 Flash ROM update accept	Selection to update of the program in the printer controller from the PC, or not. ● No/Yes When selected yes, contact your service technician.	No
	03 Dump list mode	Selection to print data code transferred from the PC. ● Transfer/Release When selected release and printed, contact your service technician.	Release
	04 HDD status	Selection of capacity/usage area of the hard disk. ● HDD capacity, Font area capacity, Font area usage ratio, Spool area capacity, Spool area usage ratio.	All zero
2/2	05 Clear all security job	Selection to clear of the registered all documents in the hard disk. ● Stop/Start	Stop
	06 First print priority	Aelection of the first print priority ● No/Yes	No

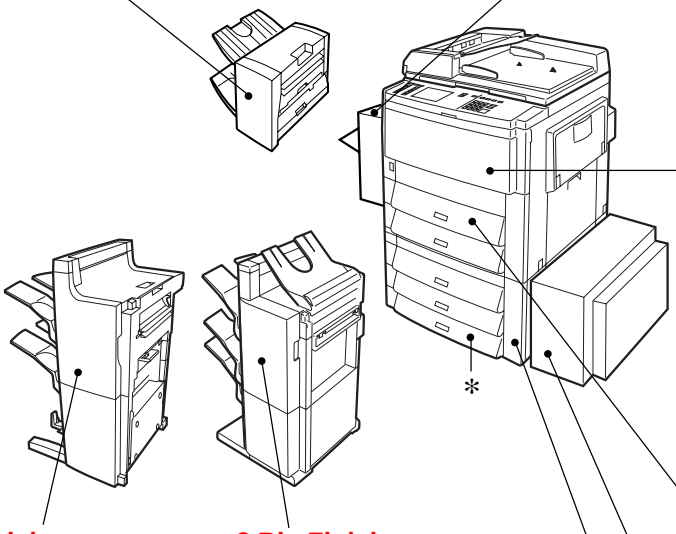
NOTE

● To reset the user preset mode, press User Preset key on the printer control panel.

Components

2 Bin Finisher
(FA-F320: FP-D355/D355DC)
- Punch

Lower bin only
- Stapling
- Offset sets automatically



2 Bin Finisher
(FA-F365 for FP-D455/D605)
- Multi-position stapling. (50 sheets)
- All 2 bin shift.
- Saddle Stitch.

3 Bin Finisher
(FA-F350: FP-D355/D355DC
FA-F355: FP-D455/D605)
- Large capacity (Max. 1500 copies)
- Multi-position stapling.

Options for 2 Bin Finisher
Punch Unit
(FA-SP30)
- When hole punching prints.

Exit Guide Unit
(FA-FK35/FK36)
- When 2/3 Bin Finisher is installed.
- FA-FK35 cannot be used with FA-F365.

■ **Other Options**
Exit Tray (FA-X350)

Inverting Shift Tray
(FA-TR350)
2 Bin Inverting Shift Tray
(FA-TR355)
- Offset sets automatically
- Face down/Face up output

Inverting Unit
(FA-RU350/RU355)
- Face down
- Used only with the 3 Bin Finisher

Optional memory for Image operation
- Hard Disk for Electrical Sort:
  (FA-HD13: FP-D355/D355DC)
  (FA-HD14: FP-D455/D605)
  For printing photo/halftone images.
- Pinter memory:
  For speed up rasterizing process.
  (16/32 MB)

Printer hard disk
(FA-HD01)
- Using the Spool function.

ADU, Automatic Duplex Unit
(FA-MADM8)
- For duplex copying.
  (FP-D355DC/D455/D605 is standard)

3000 Sheet Large Capacity Cassette
(FA-MA301)
- 3000 sheets

System Console
(FA-DS725/DS825)
- To increase paper feed sources and capacity.

Options for System Console
Paper Tray
(FA-MA0555)
- 550 sheets

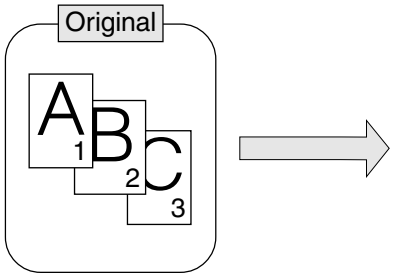
* Paper Tray kit
(FA-DK10)
- When the paper tray is installed into the lower draw of system console.

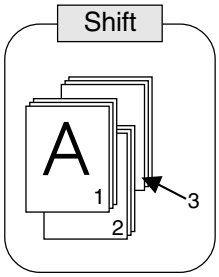
NOTE
- Contact your authorized dealer when the additional memory is required.

Inverting Shift Tray/2 Bin Inverting Shift Tray

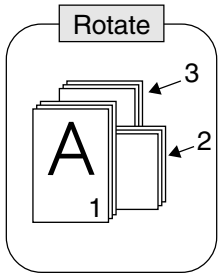
FA-TR350/TR355

1. Feature

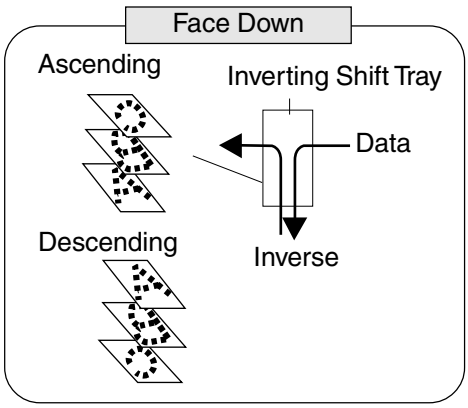


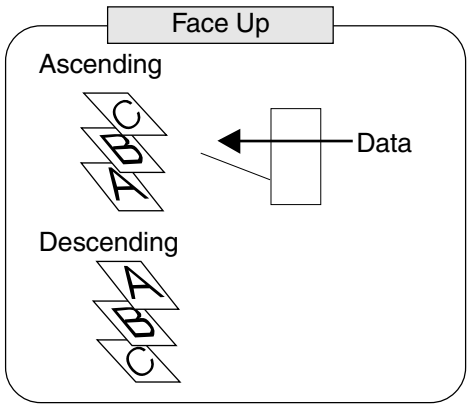


● Offset using electronic sorting
(FA-TR355: Upper bin only)



Sort by rotating sets
● Available without FA-TR350





2. Operation

Set by the PC

■ Mac OS (See P.24)
Select the Printer Specific Options by application soft's printer setting.

■ Windows 95/98/Me (See P.15)

① Click the Start, Setting and Printers.
② Click the Panasonic FP-D###.
③ Click the Properties of File menu.
④ Set the desired function(s) in the Output menu.
⑤ Click the OK.
⑥ Print the created document.

■ Windows 2000/NT 4.0 (See P.15)
Set the desired function(s) in the Output menu of software printer properties.

ATTENTION

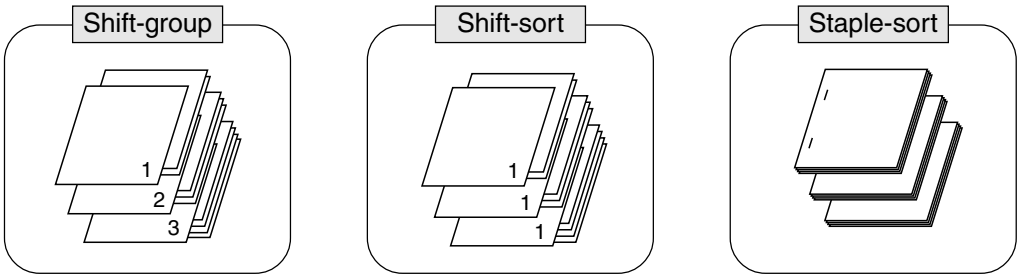
● When the options are newly installed, select the installed options in the device option tab of the printer driver.
(See P.12)

3 Bin Finisher, Inverting Unit, Exit Guide Unit

FA-F350/F355/RU350/FK35/FK36

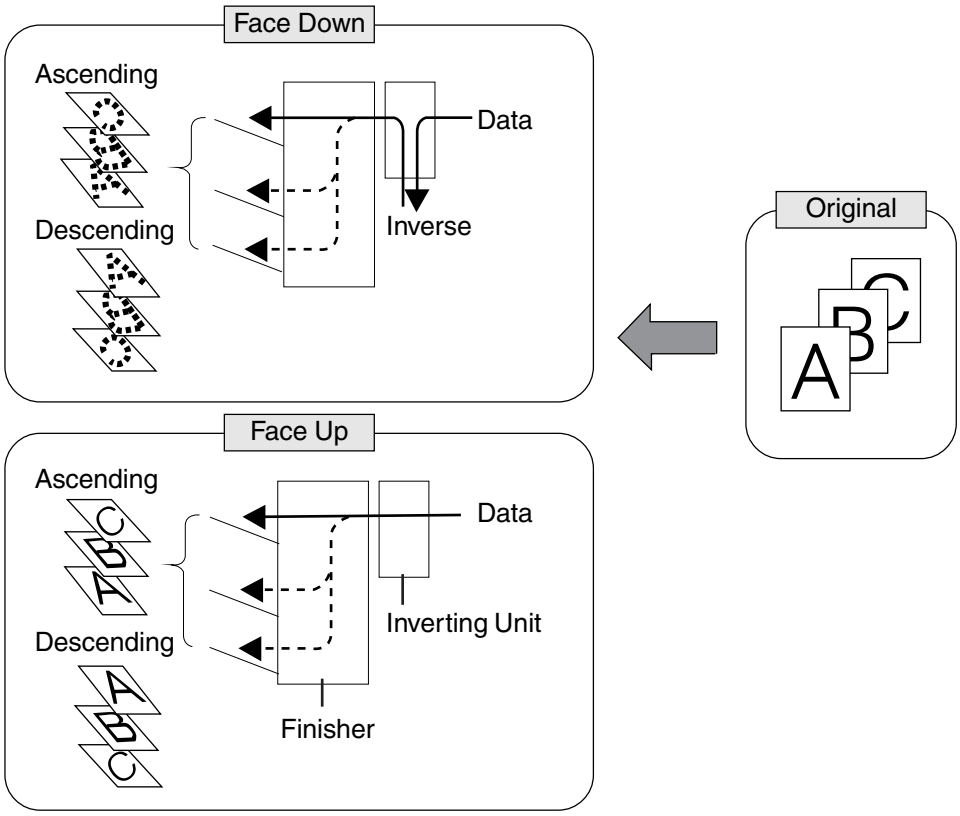
1. Features

FA-F350/F355 (3 Bin Finisher)



- Shift electric sort print
- Staple electric sort print (4 types)

FA-F350/F355 + FA-RU350 (Inverting Unit)



FA-FK35/FK36 (Exit Guide Unit)
Required for FA-F350/F355 when FA-RU350 is not installed.

- Face up only.

ATTENTION

- When the options are newly installed, select the installed options in the device option tab of the printer driver.
(See P.12)

FA-F350/F355

2. Operation

Set by the PC

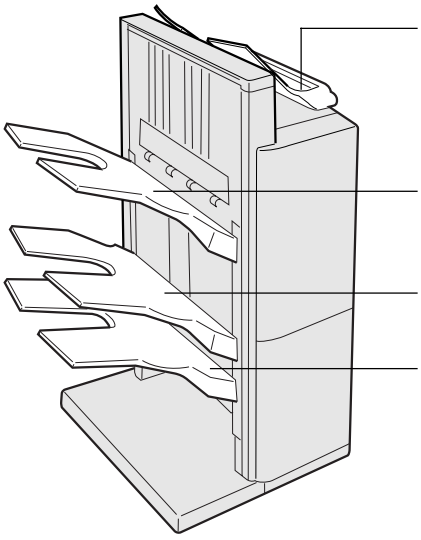
■ Windows 95/98/Me (See P.15)

①Click the Start, Setting and Printers.
②Click the Panasonic FP-D###.
③Click the Properties of File menu.
④Set the desired function(s) in the Output menu.
⑤Click the OK.
⑥Print the created document.

■ Windows 2000/NT 4.0 (See P.15)
Set the desired function(s) in the Output menu of software printer properties.

■ Mac OS (See P.23)
Select the Printer Specific Options by application soft's printer setting.

3. FA-F350/F355 Operation



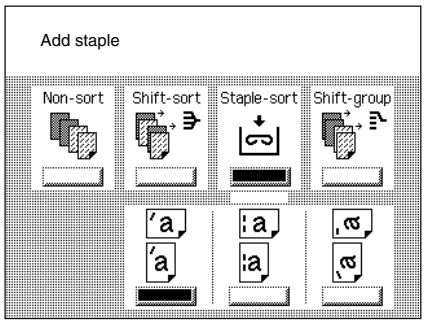
Set the bin using the PC.

- Windows 95/98/Me/2000/NT4.0 (See P.15)
- Mac OS (See P.23)

Bin Capacity (sheets)

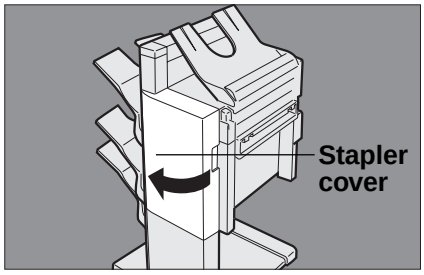
Modes	Paper Size	1 Bin	2 Bin	3 Bin
Staple-sort	Letter	300 or (Max. 30 sets)	750	200 (20 sets)
	Letter R, Legal, Ledger	150 or (Max. 30 sets)	500	100 (20 sets)
Non-sort Shift-sort Shift-group	Letter	300	1000	200
	Letter R, Legal, Ledger	150	500	100

(3) When replacing the staple cartridge



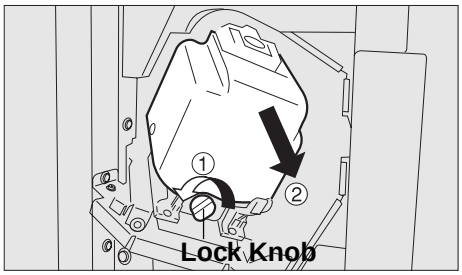
The message shown on the left appears of the printer when the staples are out.

1



Open the stapler cover.

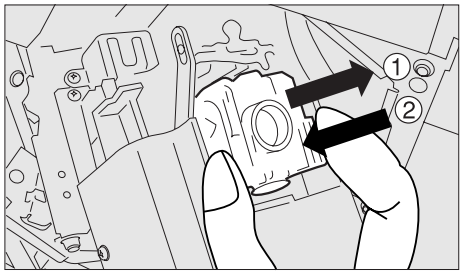
2



① Turn the lock knob in the counter clockwise direction.

② Pull out the staple unit until it stops.

3



① Remove the empty staple cartridge. Check if there is any remaining staples.

② Install the new cartridge.

③ Return the staple unit until it stops and turn the lock knob in clockwise direction.

4

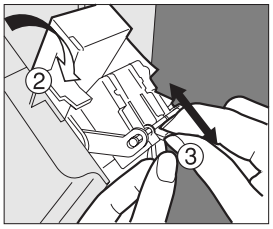
Check the operation
Select the staple-sort mode with control panel and print the desired data.

NOTE

- If the unit fails to staple after replacing the staple cartridge follow the instructions below.

① Remove the staple cartridge.
② Pull down the stapler toward you.
③ Press the release knob and swing the staple jam lever back and forth.

If the unit still fails to work, contact your service technician.

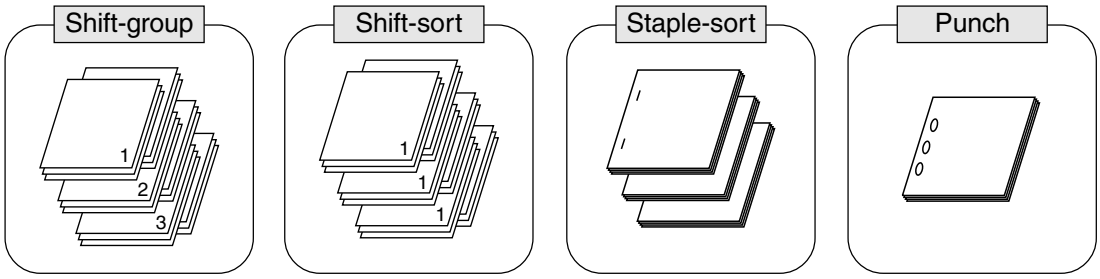


2 Bin Finisher, Inverting Unit, Exit Guide Unit

FA-F365/RU355/FK36

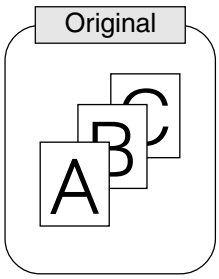
1. Features

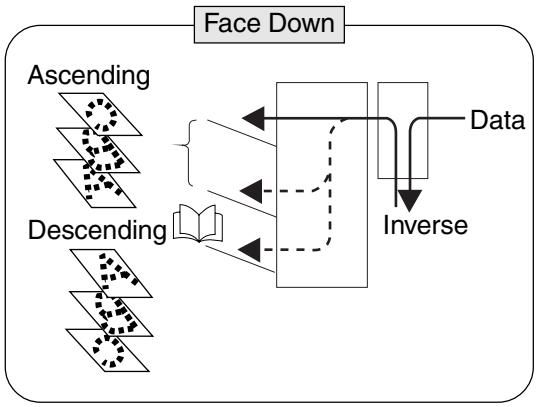
FA-F365 (2 Bin Finisher)

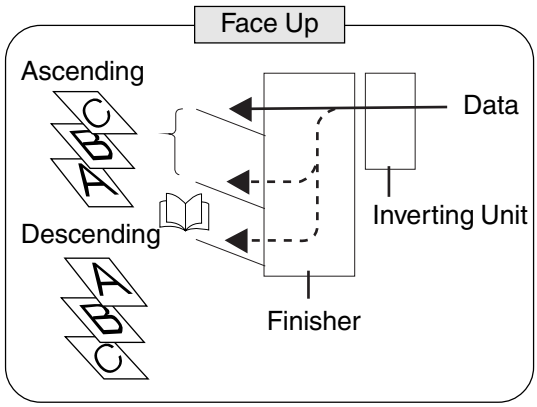


- Shift electric sort print
- Staple electric sort print (3 types)

FA-F365 + FA-RU355 (Inverting Unit)







FA-FK36 (Exit Guide Unit)
Required for FA-F365 when FA-RU355 is not installed.

- Face up only.

ATTENTION

- When the options are newly installed, select the installed options in the device option tab of the printer driver.
(See P.12)

2 Bin Finisher, Inverting Unit, Exit Guide Unit

FA-F365

2. Operation

Set by the PC

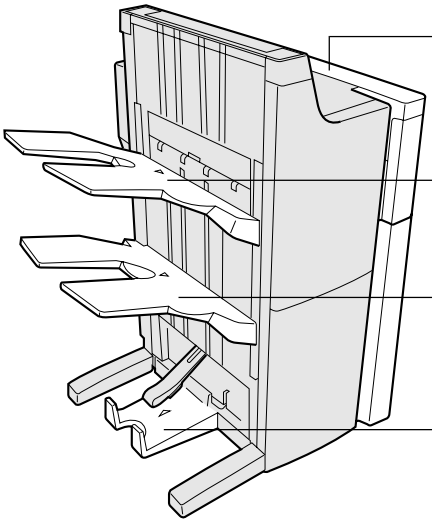
■ Windows 95/98/Me (See P.15)

① Click the Start, Setting and Printers.
② Click the Panasonic FP-D###.
③ Click the Properties of File menu.
④ Set the desired function(s) in the Output menu.
⑤ Click the OK.
⑥ Print the created document.

■ Windows 2000/NT 4.0 (See P.15)
Set the desired function(s) in the Output menu of software printer properties.

■ Mac OS (See P.23)
Select the Printer Specific Options by application soft's printer setting.

3. FA-F365 Operation



Punch Unit (Option/FA-SP30)
When punching the copies (2 or 3 holes).

1 Bin

2 Bin

Sddle Sticher Tray

Set the bin using the PC.

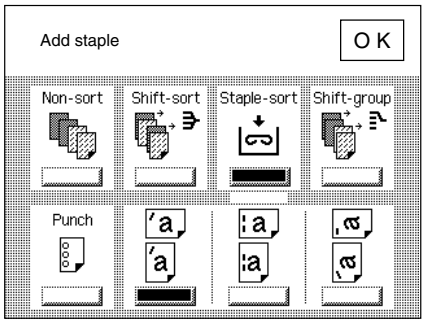
- Windows 95/98/Me/2000/NT4.0 (See P.15)
- Mac OS (See P.23)

Bin Capacity (sheets)

Modes	Paper Size	1 Bin	2 Bin	Stich Tray
Staple-sort	Letter	1000	1000	25 sets
	Letter R, Legal, Ledger	1000	1000	25 sets
Non-sort Shift-sort Shift-group	Letter	1000	1000	——
	Letter R, Legal, Ledger	1000	1000	——

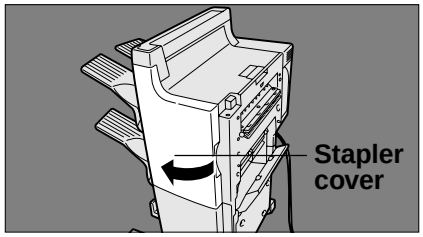
FA-F365

(3) When replacing the staple cartridge



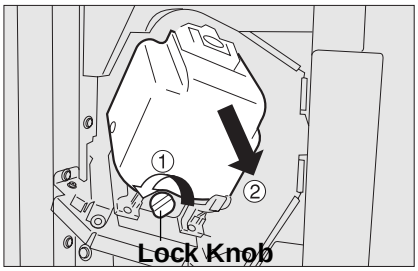
The message shown on the left appears of the printer when the staples are out.

1



Open the stapler cover.

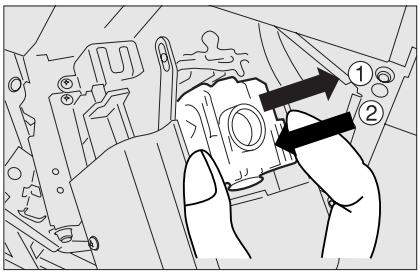
2



① Turn the lock knob in the counter clockwise direction.

② Pull out the staple unit until it stops.

3



① Remove the empty staple cartridge. Check if there is any remaining staples.

② Install the new cartridge.

③ Return the staple unit until it stops and turn the lock knob in clockwise direction.

4

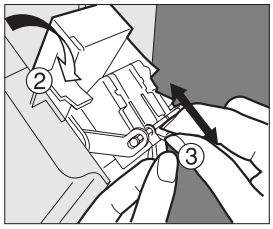
Check the operation
Select the staple-sort mode with control panel and print the desired data.

NOTE

- If the unit fails to staple after replacing the staple cartridge follow the instructions below.

① Remove the staple cartridge.
② Pull down the stapler toward you.
③ Press the release knob and swing the staple jam lever back and forth.

If the unit still fails to work, contact your service technician.



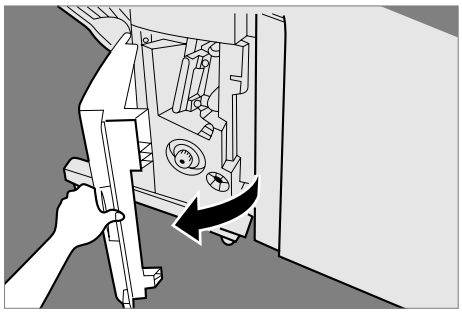
FA-F365

(4) When supplying the Saddle Stitcher Unit with Staples

Supplying the Saddle Stitcher Unit with Staples

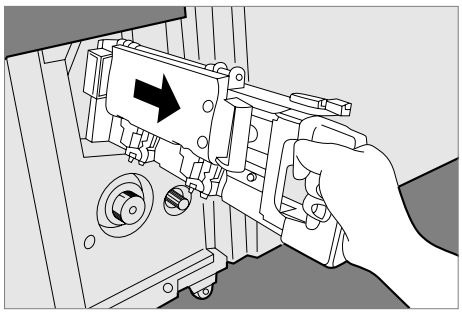
To install a new staple cartridge perform the following steps.

1



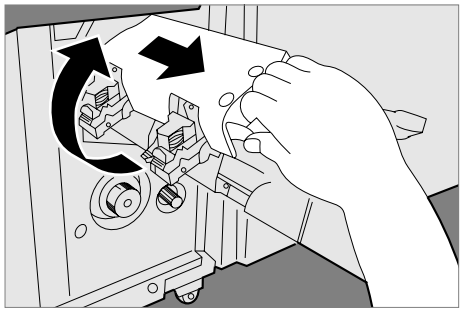
Open the lower front cover.

2



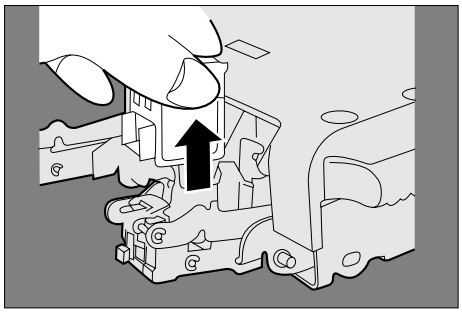
Slide out the stitcher unit.

3



Pull the stitcher unit to the front once, and then shift it up.

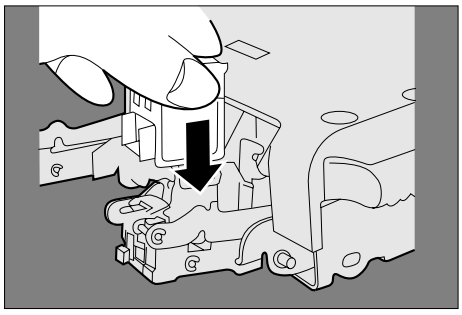
4



Hold the empty cartridge on its sides, and remove it.

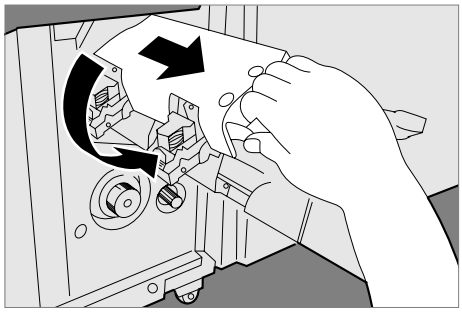
FA-F365

5



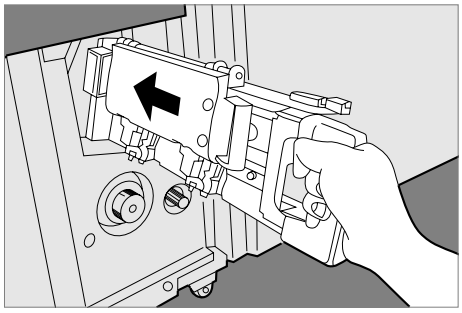
Fit the new cartridge.

6



Pull the stitcher to the front once, and then return it to its original position.

7



Push in the stitcher unit, and close the lower front cover.

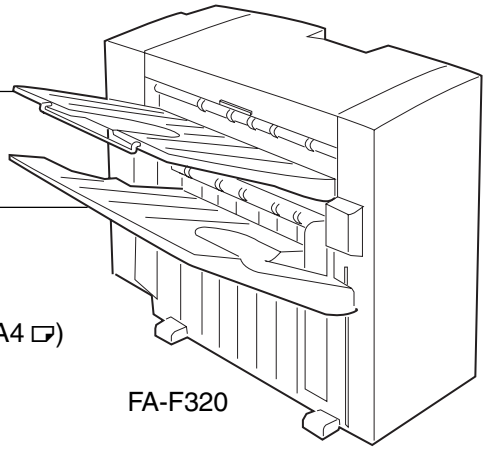
2 Bin Finisher, Exit Guide Unit

FA-F320/FK35/FK36

1. Components

Upper Tray
- Stack face up
- Hole punch

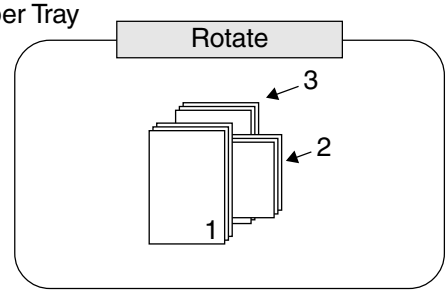
Lower Tray
- Stapling
- Shift electric sort
- Stack face down
- Letter/A4 size only (Except Letter/A4 ☞)



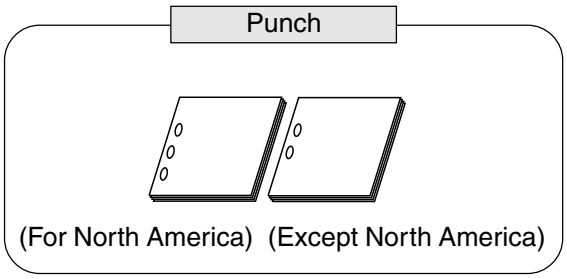
FA-F320

2. Features

■Upper Tray

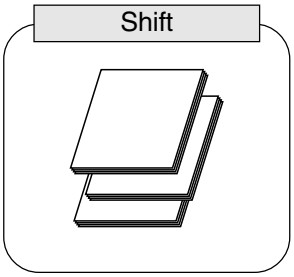


● Sort by rotating sets

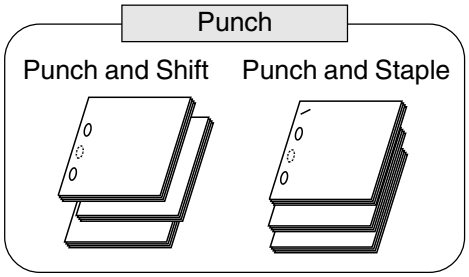


● Stack by punch

■Lower Tray

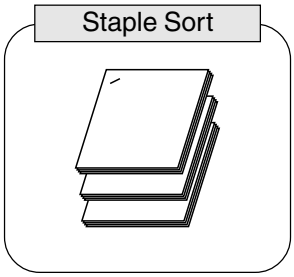


● Offset using electronic sorting



● Offset using punching and electronic sorting

● Sort by punching and stapling sets



● Sort by stapling sets

■FA-FK35/FK36 (Exit Guide Unit)
- Feeds paper to 2 bin finisher.
  FA-FK35/FK36 should be installed when installing FA-F320.

2 Bin Finisher, Exit Guide Unit

FA-F320/FK35/FK36

3. Operation

Set by the PC

■ Windows 95/98/Me (See P.15)

①Click the Start, Setting and Printers.
②Click the Panasonic FP-D###.
③Click the Properties of File menu.
④Set the desired function(s) in the Output menu.
⑤Click the OK.
⑥Print the created document.

■ Windows 2000/NT 4.0 (See P.15)
Set the desired function(s) in the Output menu of software printer properties.

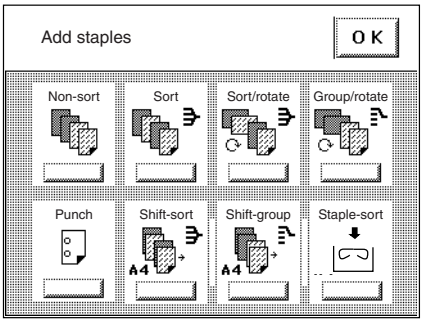
■ Mac OS (See P.23)
Select the Printer Specific Options by application soft's printer setting.

ATTENTION

● When the options are newly installed, set the connected options.
(See P.12)

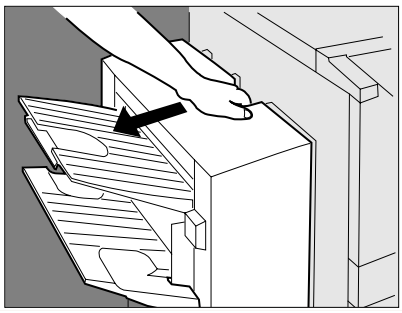
FA-F320

4. When replacing the staple



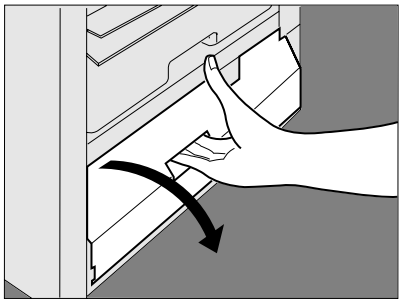
The message shown on the left appears when the staples are out.

1



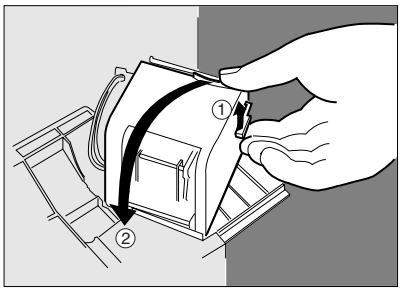
Pull out the finisher.

2



Open the stapler cover.

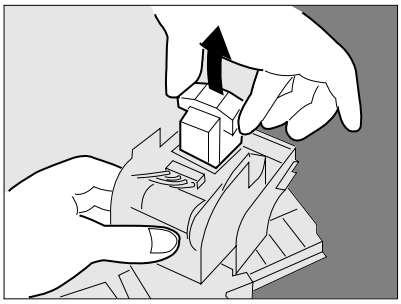
3



①Lift up the lock lever.

②Raise up the stapler unit.

4

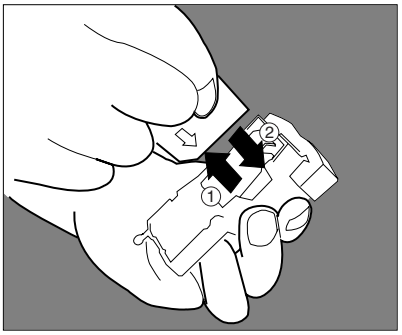


Remove the staple cartridge.

2 Bin Finisher, Exit Guide Unit

FA-F320

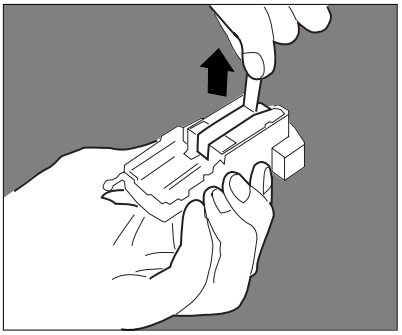
5



①Remove the empty staple case.

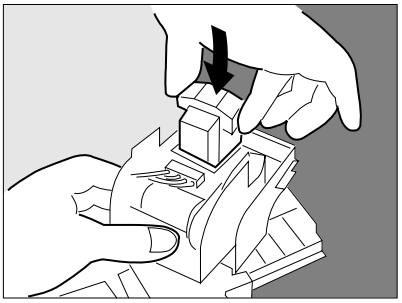
②Install the new staples.

6



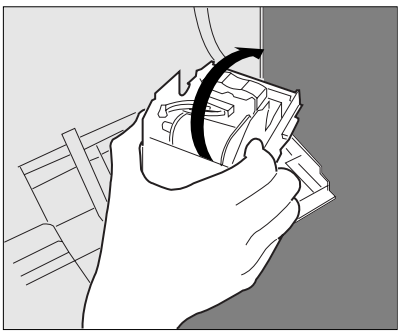
Pull out the tape.

7



Insert the staple cartridge.

8



Return the stapler unit to the original position.

9

①Close the stapler cover.

②Return the finisher to the original position.

10

Check the operation
Select the staple-sort mode with PC and print the desired data.

2 Bin Finisher, Exit Guide Unit

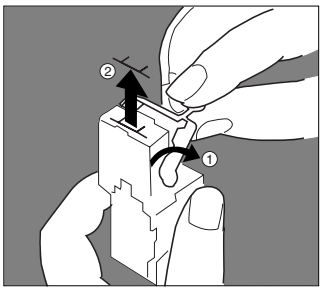
FA-F320

5. If the unit fails to staple after replacing the staples follow the instruction below.

1

Remove the staple cartridge according to staple replacing procedures steps 1 to 4.
(See P.47)

2



①Open the staple cover.

②Remove the remaining staples.

③Close the staple cover.

3

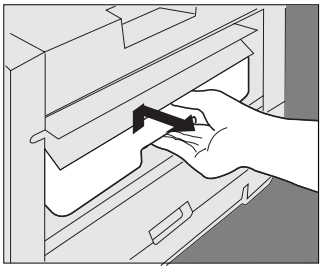
Reinstall the staple cartridge according to staple replacing procedures steps 7 to 10 and check operation.

6. Punch disposal

1

Pull out the finisher.

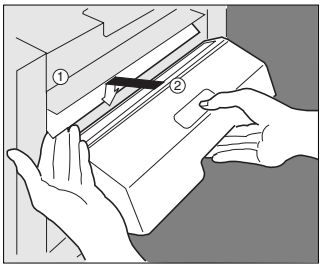
2



①Pull out the trash box.

②Dispose the punch trash.

3



①Lift up the finisher entry guide.

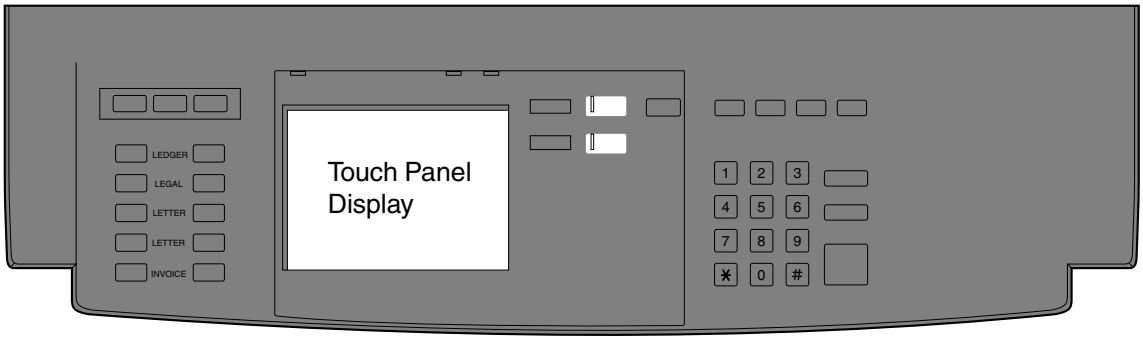
②Return the trash box.

4

Return the finisher to original position.

Printer cannot print

■ **When your document can not print out, the following marks and messages will be indicated on the printer touch panel display. Check the indicated mark and message and perform actions in accordance with each message.**



Adding Paper — See P.51 – 53

Adding Toner — See P.54

Replacing the Waste Toner Bottle. — See P.55

Removing the Punch Dust. — See P.56

Removing a Paper Misfeed

Printer (Copier) and System Console LCC — See P.57 – 59

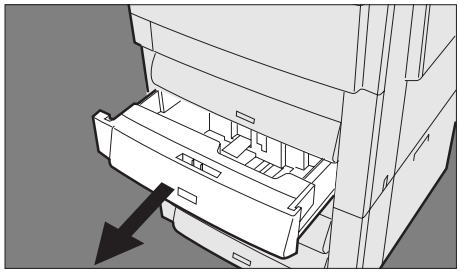
2/3 Bin Finisher, Inverting Shift Tray/Inverting Unit 2 Bin Inverting Shift Tray — See P.61 – 66

Error indication/message and other trouble — See P.67 – 68

Adding Paper

■ 550 Sheet Paper Tray

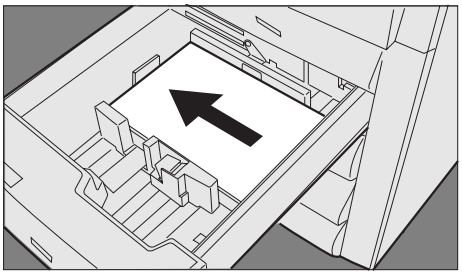
1



Pull paper tray out of copier.

Do not load ADU (option) with paper.

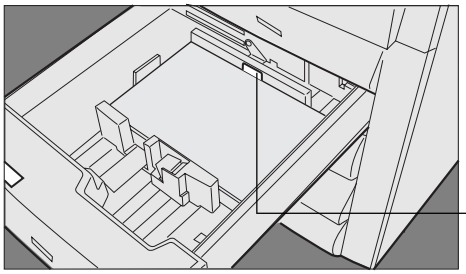
2



Place paper into paper tray.

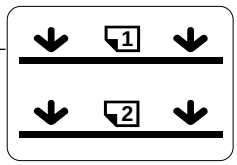
Special papers, like glossy paper, mailing labels and transparencies cannot be used in the paper tray. Use bypass for special paper.

3



Make sure paper is not loaded above overfill indicator located in the paper drawer/tray.

Overfill Indicator



←1-sided copy

←2-sided copy*

4

Push paper tray back into copier.

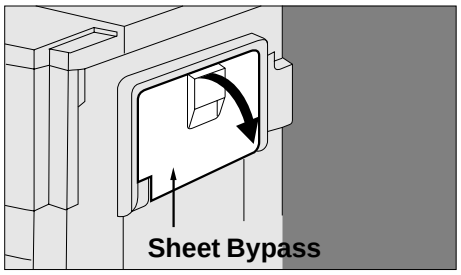
ATTENTION * When making 2-sided copies without an automatic duplex unit, place the copies face-up in the paper tray to the 2-sided overfill indicator.

Adding Paper ( )

■ Sheet Bypass

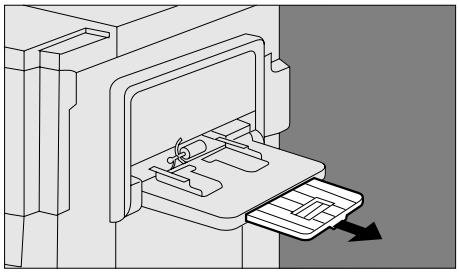
To print on letterhead, mailing labels, transparencies and odd-size paper, etc., or to use bypass as an additional paper source.

1



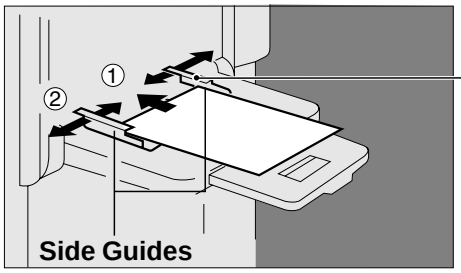
Open sheet bypass.

2



Pull out bypass tray until it stops.

3



① Place approximately 50 sheets of paper into the tray.

Insert the paper until it stops.
② Adjust the side guides.
Incorrect adjustment may cause paper to wrinkle, misfeed or skew.

4

Print the created document.

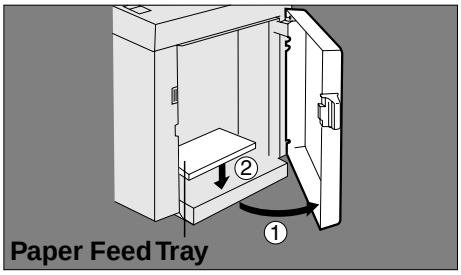
NOTE

- Some types of mailing labels and transparency film may damage your machine. Please contact your service provider for advice regarding non-standard paper types.
- Do not feed curled or bent pages through the bypass to avoid the misfeed.

Adding Paper

■ 3000 Sheet Large Capacity Cassette (LCC)

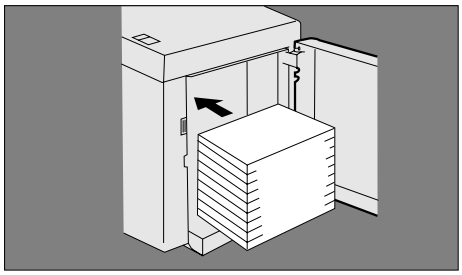
1



①Open the door.
②The paper feed tray will go down.

Do not touch the tray while it is moving.

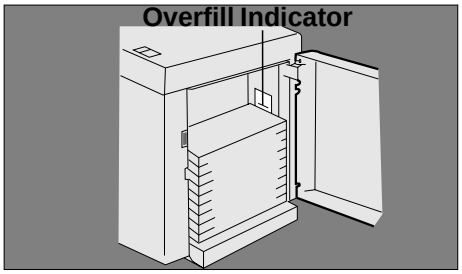
2



Add paper

After tray stops, place paper neatly on to tray.
Letter size only (portrait).

3



Do not fill above red line.

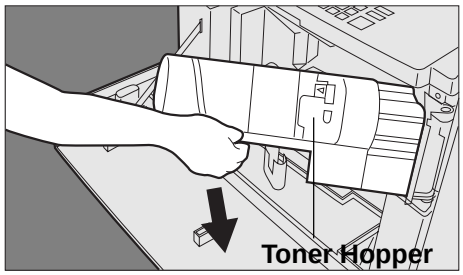
Up to 3000 sheets, 20 lbs.

4

Close the door.

Adding Toner

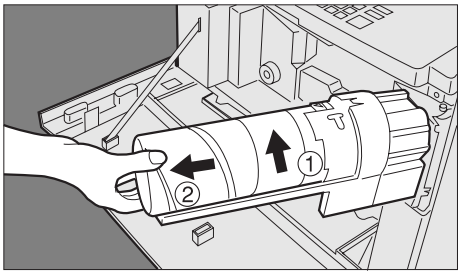
1



Open front panel.

Turn toner hopper assembly.

2

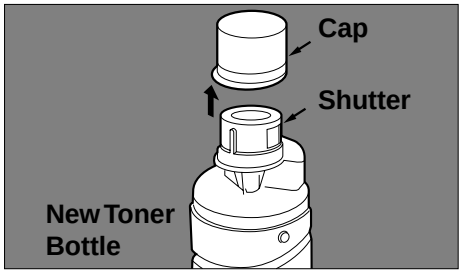


Remove toner bottle

① Turn empty toner bottle until it stops.

② Slide empty toner bottle towards you and remove.

3

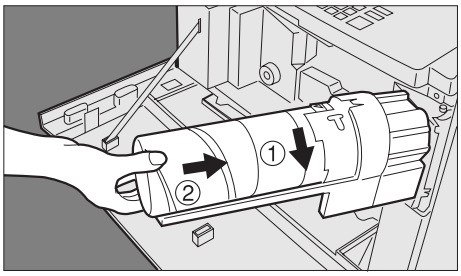


Shake well before using.
10–15 times until the toner inside is evenly distributed.

Remove the cap from the bottle.

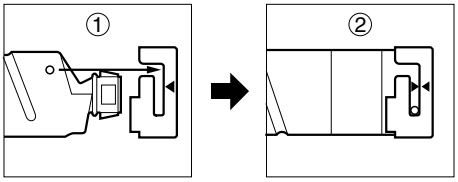
Do not turn the shutter.

4



① Insert new toner bottle to the hopper assembly.

② Turn the bottle until it stops, and arrows are aligned.



5

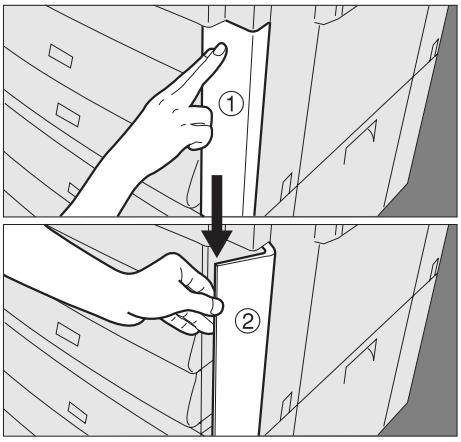
Return the toner hopper assembly to original position.
Close front panel.

ATTENTION

- For optimum copy quality use recommended Panasonic toner. Store toner in a cool dark place. Do not unseal toner before use. Use it as fast as possible after unsealing.

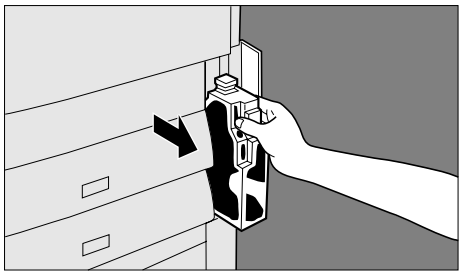
Replacing the Waste Toner Bottle ( )

1



Open waste toner bottle cover.

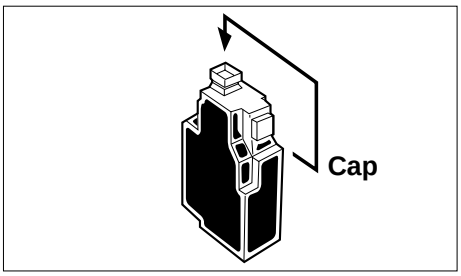
2



Slowly pull waste toner bottle straight out.

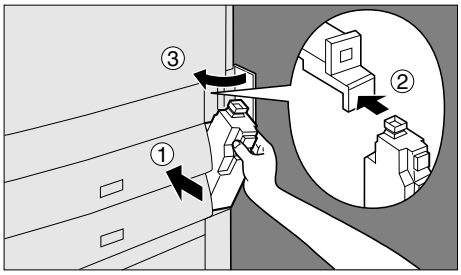
Do not squeeze the bottle.

3



Close bottle with cap.

4



Install new bottle.

Do not insert the bottle from the top.

5

Close waste toner bottle cover.

ATTENTION

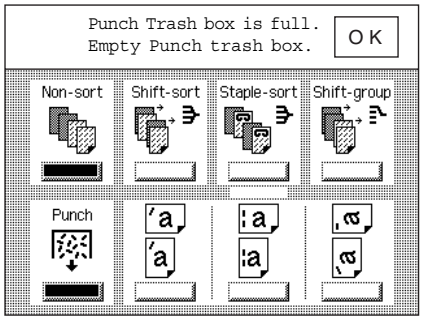
- Do not use toner in waste toner bottle.

NOTE

- If you have no replacement waste toner bottle, please contact your authorized dealer.

Removing the Punch Dust ( )

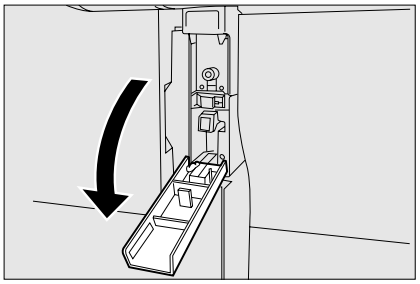
■ When the punch dust is full (For FA-F365)



The message shown on the left appears when the punch dust is full.

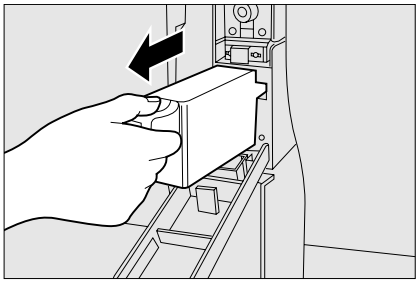
To empty the punch scrap tray, perform the following steps.

1



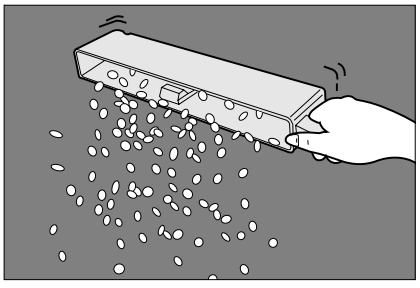
Open the front cover of the puncher unit.

2



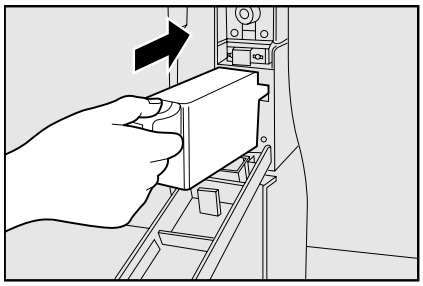
Draw out the punched scrap container.

3



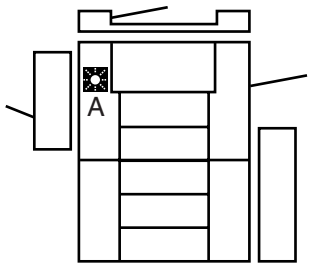
Discard the punched scrap.

4



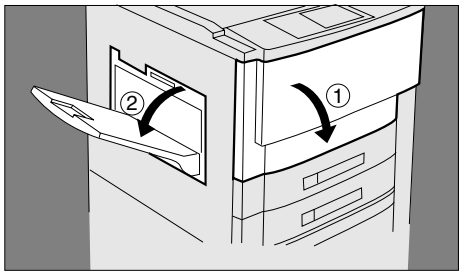
Return the punched scrap container to its original position.

Removing a Paper Misfeed



■ Paper exit area

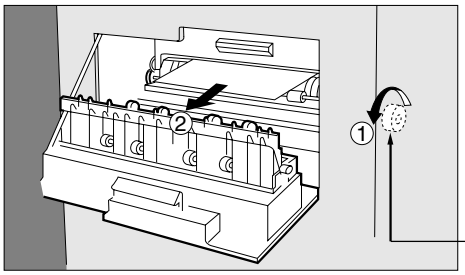
1



① Open front panel.
② Open exit cover.

Note: If Finisher or Inverting Shift Tray or Inverting Unit is installed, move from the machine before above operation.

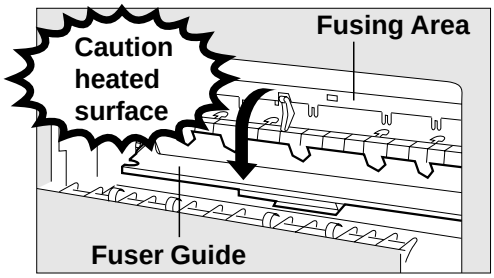
2



① Turn left paper clearing knob.
② Remove misfed paper.

Left Paper Clearing Knob

3



Caution: the fuser area may be hot.

① Open the fuser guide.
② Check that no misfed paper is remaining.
③ Close the fuser guide.

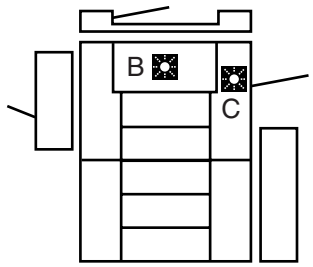
4

① Close exit cover.
② Close front panel.

ATTENTION

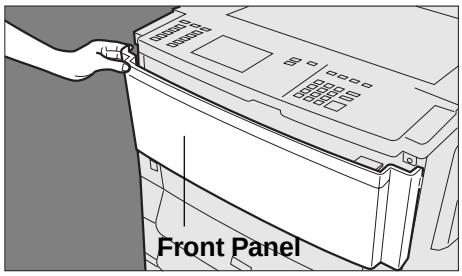
- The fusing area may be hot, so use caution when removing misfed paper.
- The front panel must be opened prior to opening the exit cover.
- After removing misfed paper, close front panel as soon as possible.

Removing a Paper Misfeed



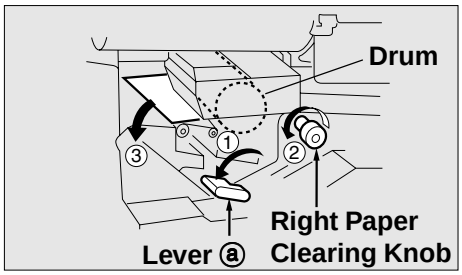
■ **Paper transport and paper entry areas**

1



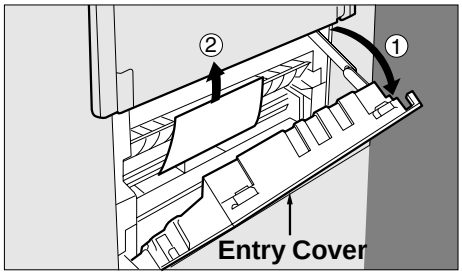
Open front panel.

2



① Lower lever ⓐ.
② If copy paper is fed far into the copier, turn the right paper clearing knob.
③ Remove misfed paper.
④ Raise lever ⓐ to original position.
⑤ Close front panel.

3

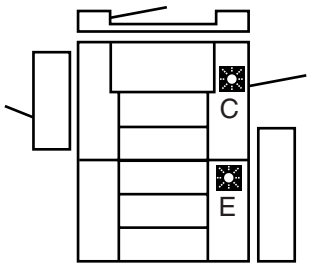


① Open the paper feed cover.
② Remove misfed paper.
③ Close entry cover.

ATTENTION

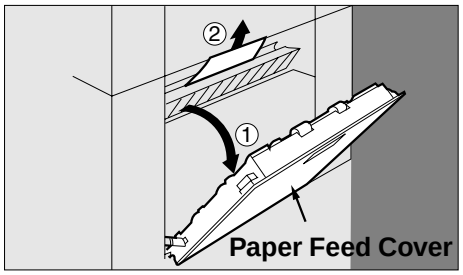
- Do not touch or scratch the surface of the drum.
- Check that the paper misfeed indicator disappears.

Removing a Paper Misfeed



■ System console/LCC (Large Capacity Paper Tray)

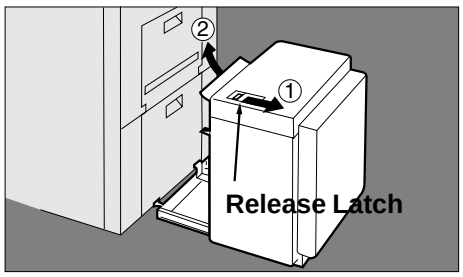
1



System console

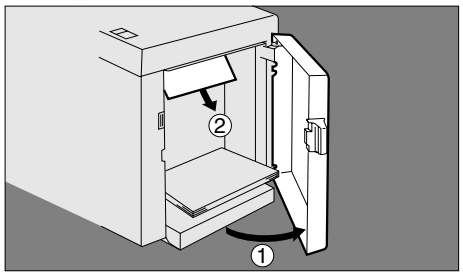
① Open the paper feed cover.
② Remove misfed paper.
③ Close the paper feed cover.

2



Large Capacity Cassette

① Hold the latch and slide the large capacity cassette to the right.
② Remove misfed paper.

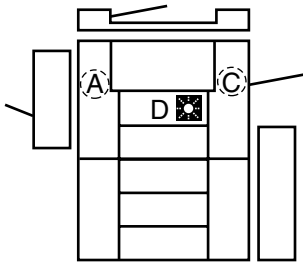


① Open the door.
② Remove misfed paper.
③ Close the door.
④ Return the large capacity cassette to original position.

ATTENTION

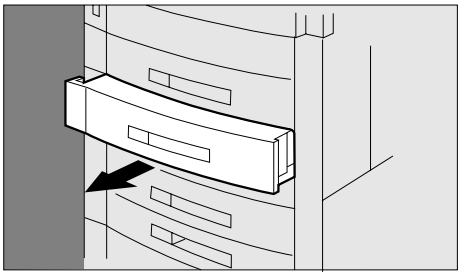
● Check that the paper misfeed indicator disappears.

Removing a Paper Misfeed



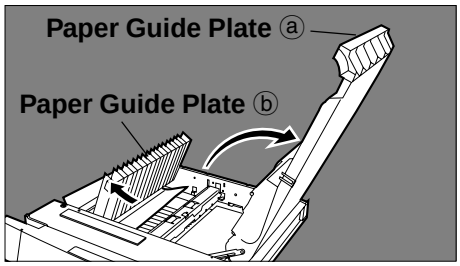
■ **Automatic Duplex Unit (ADU)**

1



Pull out automatic duplex unit.

2



① Open paper guide plate ⓐ.
② Open paper guide plate ⓑ.
③ Remove misfed paper.
④ Close paper guide plate ⓑ.
⑤ Close paper guide plate ⓐ.

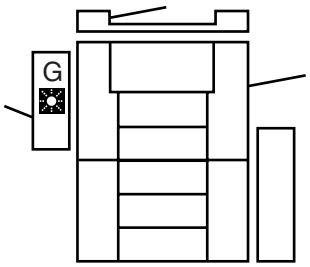
3

Push back automatic duplex unit.

ATTENTION

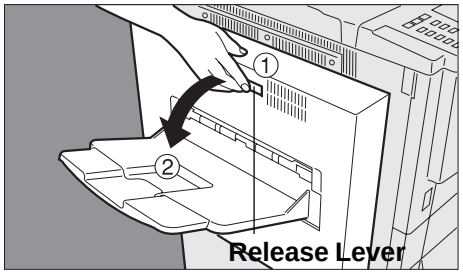
- When the misfeed indicators light at A, C and D, remove misfed paper from A and C first then remove it from the ADU (D).

Removing a Paper Misfeed



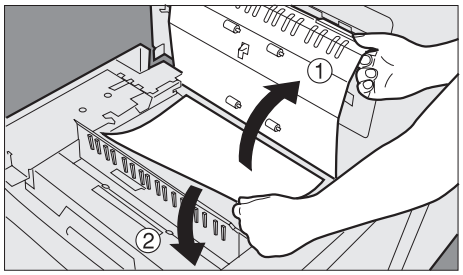
■ **Inverting Shift Tray (FA-TR350)**
Inverting Unit (FA-RU350/RU355)

1



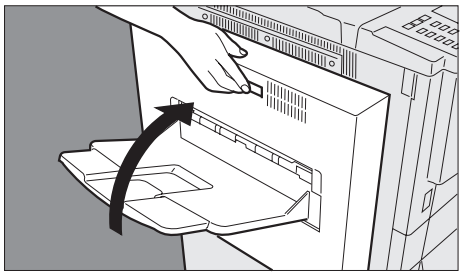
① Hold release lever.
② Open inverting shift tray or inverting unit until it stops.

2



① Open transfer guide.
② Remove misfed paper.
③ Close transfer guide.

3

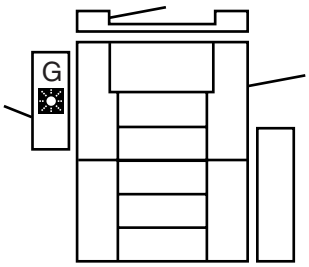


Close inverse shift tray or inverting unit.

ATTENTION

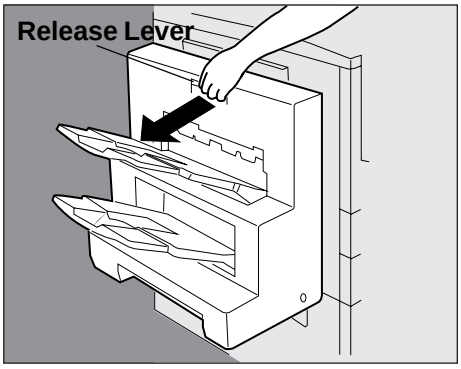
● Check that the paper misfeed indicator disappears.

Removing a Paper Misfeed



■ 2 Bin Inverting Shift Tray (FA-TR355)

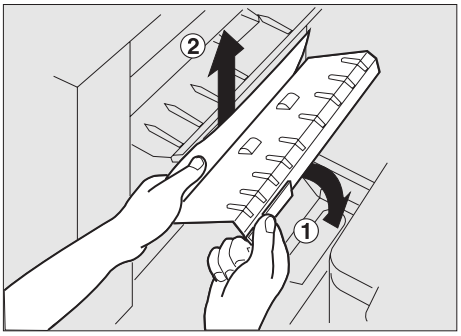
1



① Hold release lever.
② Open the 2 bin inverting shift tray to the left until it stops.

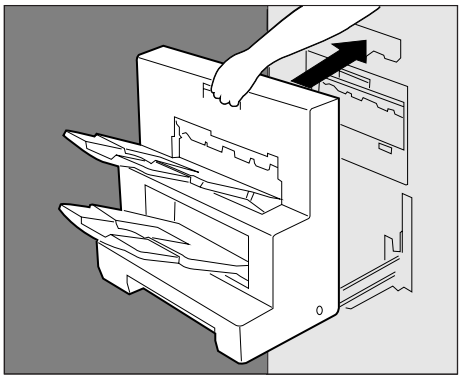
Pull out gently.

2



① Open transfer guide.
② Remove misfed paper.
③ Close transfer guide.

3

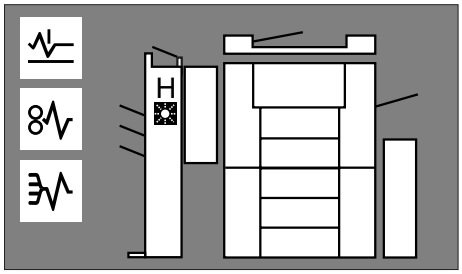


Return the 2 bin inverting shift tray to the original position.

ATTENTION

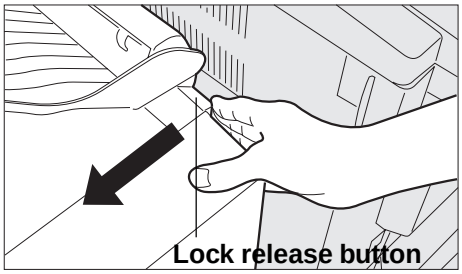
- Check that the paper misfeed indicator disappears.

Removing a Paper Misfeed



■ **3 Bin Finisher (FA-F350/F355)**

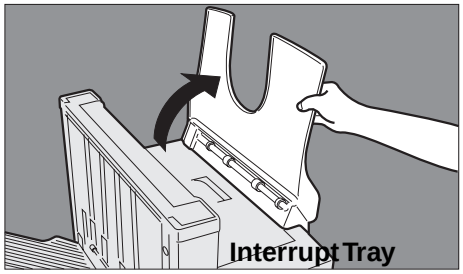
1



Press the lock release button and open the finisher to the left.

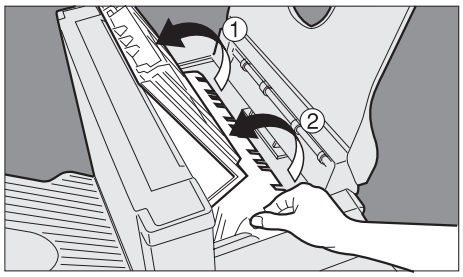
Pull out gently.

2



Open the interrupt tray

3



① Open the top cover.

② Open the buffer roller cover.

③ Remove misfed paper.

④ Close the buffer roller cover and top cover.

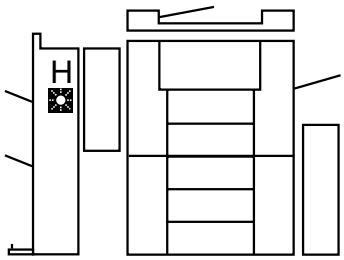
4

Return the finisher to the original position.

ATTENTION

● Check that the paper misfeed indicator disappears.

Removing a Paper Misfeed

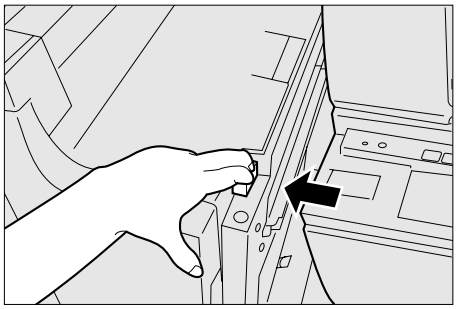


■ **2 Bin Finisher (FA-F365)**

Removing Paper Jams from the Finisher Unit

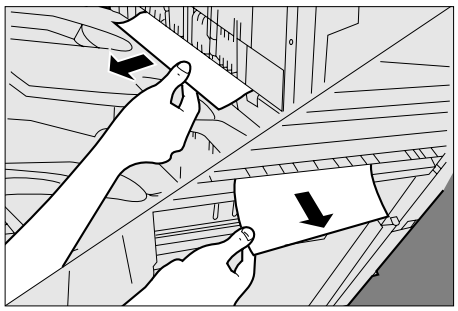
If the host machine indicates the finisher paper jam message, perform the following to remove the jam.
Note, however, that paper jams at the paper feed inlet on the finisher unit can be removed by opening the front cover of the host machine as the Finisher-F1 is fixed to host machine.

1



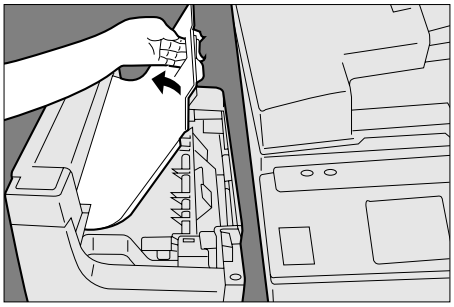
Holding the finisher unit as shown, move it to detach it from the host machine.

2



Remove any jam visible from the outside.

3



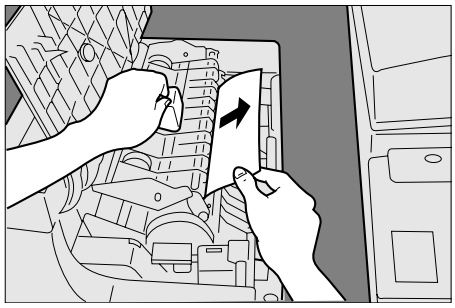
Open the upper cover, and check the inside of the finisher.

ATTENTION

- Make sure that the misfeed indicator goes off after removing all misfed paper.

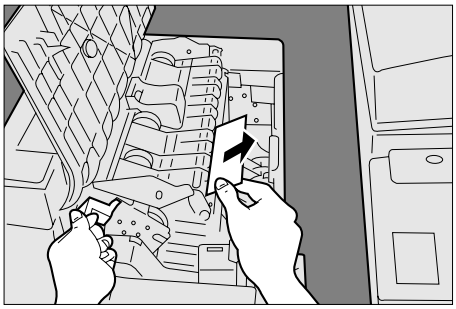
Removing a Paper Misfeed

4



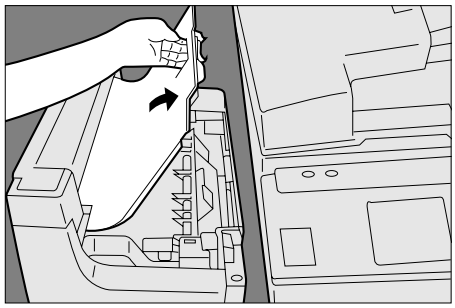
Lift the buffer roller cover, and remove the jam.

5



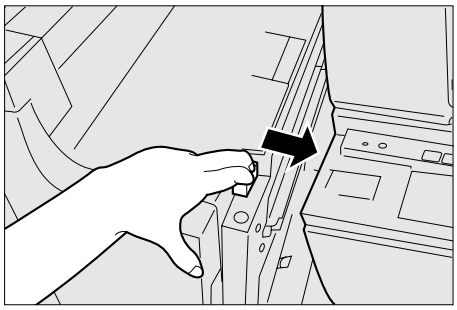
Lift the buffer roller, and remove the jam.

6



Return the buffer roller and the buffer roller cover to their original positions, and close the upper cover.

7

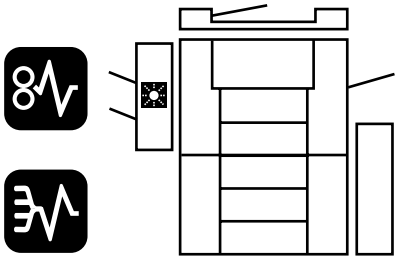


Connect the finisher to the host machine.

8

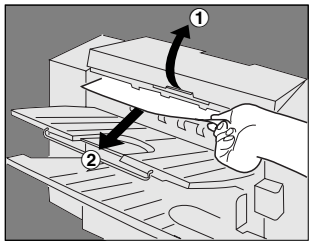
Operate as instructed on the display.

Removing a Paper Misfeed



■ 2 Bin Finisher (FA-F320)

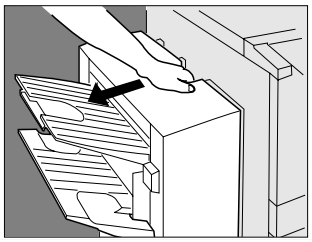
1



① Life up the upper cover.

② Remove miffed paper.

2

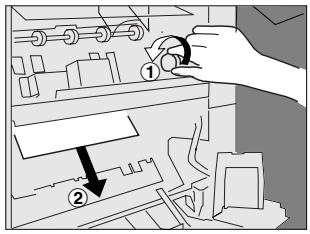


① Pull out the finisher.

② Pull out the trash box.
(See P.49)

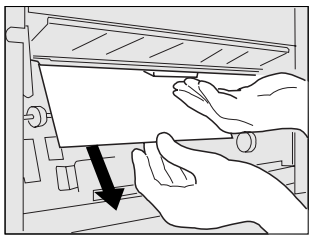
③ Open the stapler cover.
(See P.47)

3

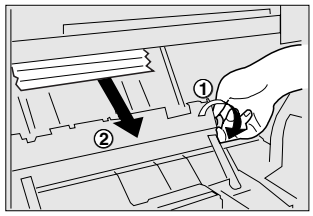


① Turn the paper transport knob A.

② Remove misfed paper.



When can not remove paper:
Life up the finisher guide and remove misfed paper.



When the misfed paper is not stay:
① Turn the paper transport knob B.

② Remove misfed paper.

4

① Close the staple cover and install the trash box.

② Return the finisher to original position.

Troubleshooting

Before you call service

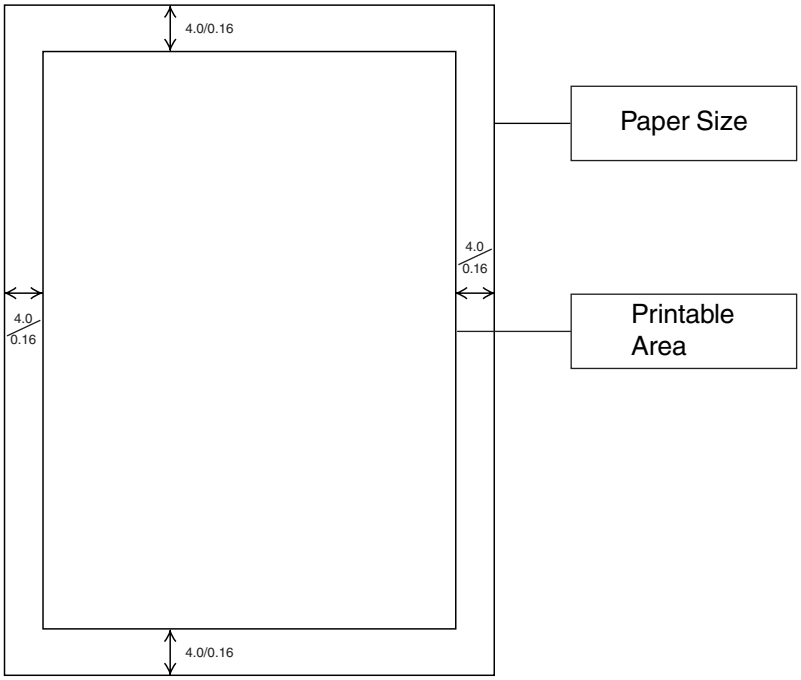
■ **Refer to Operating Guide (for Copier) regarding machine problem.**

Check	Action
No response from the Printer	
Following message appears. “There is no paper or cable is not connected on the LPT1. Check the printer cable or network connection, and/or add paper, then, start again.”	①Check if there is paper, if not, add paper. ②Check the connection of the parallel interface cable. ③When connecting to network, check the status of the digital copier using map.
Screen font and printed fonts are different	
The font type is wrong.	①Check if the selected font is installed on the PC. ②Select “Always use TrueType” in the printer driver font screen.
The character is not smooth.	Select outline font and not bit map font.
Different character, symbol from the original is printed.	Check if the printer driver of the digital copier is selected.
Font error message appears in the control panel display.	Installed Font is wrong. Re-install the correctly font.
Cannot print correctly	
No print from the middle of 1st page, or irregular image appears in the middle of printing.	Printer memory is full. Install expansion memory, or change the resolution to 300 dpi.
Fine line print cannot be obtained.	①Select 600 dpi resolution. ②Select the smoothing function for 1200 dpi.

Check	Action
Error indication/message will be displayed on the control panel of the printer.	
PCL error or print overrun	Try to print from the application again.
Memory Overflow	Install the additional printer memory.
Parallel I/0 error	Check parallel interface connection.
Inappropriate PDL	Make sure you select the printer driver correctly “Panasonic FP-D###”
E5-15	Take the printer Off-line and press the reset key. (See P.6)
Others	
The print of the photograph is not good.	①Select 600 dpi resolution. ②Switch off the smoothing function.
It takes long time to print.	①Select 300 dpi resolution. ②When the print of the first page is slow, cancel the power save mode of the digital copier.
Although print data is transferred to the digital copier, it does not print.	Make sure the Printer is on-line.
The print stops in the middle of the run.	①Check if there is any problem on the network. ②Select longer time out setting of the network application.
HDD unformatted error message appears on the control panel.	Hard disk (HDD) spooler option is not formatted. Format the disk and necessary setting using user preset mode (See P.34)

■ If the measures outlined above do not solve the problem, call Service.

Print Area



(unit: mm/inch)

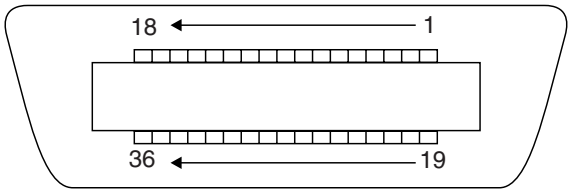
NOTE: Although it will be possible to print the data in the guaranteed print area, it may not be possible to print the data in the none printable area.

Paper Size/Paper feed direction	Paper width (inch/mm)	Paper length (inch/mm)
Ledger ▭	11″ (279.4)	17″ (431.8)
Legal ▭	8-1/2″ (215.9)	14″ (355.6)
Letter ▭	8-1/2″ (215.9)	11″ (279.4)
Letter ▯	11″ (279.4)	8-1/2″ (215.9)
Invoice ▭	5-1/2″ (139.7)	8-1/2″ (215.9)
A3 ▭	297	420
B4 ▭	257	364
A4 ▭	210	297
A4 ▯	297	210
B5 ▭	182	257
A5 ▭	148	210

Parallel Interface Connector

There is a parallel interface terminal in the printer that interfaces to the PC.

Shape of the connector



Signal name and pin location

No	| /○	Signal name	No	| /○	Signal name
1	|	/STB	19	——	GND
2	| /○	DATA0	20	——	GND
3	| /○	DATA1	21	——	GND
4	| /○	DATA2	22	——	GND
5	| /○	DATA3	23	——	GND
6	| /○	DATA4	24	——	GND
7	| /○	DATA5	25	——	GND
8	| /○	DATA6	26	——	GND
9	| /○	DATA7	27	——	GND
10	○	/ACK	28	——	GND
11	○	BUSY	29	——	GND
12	○	PE	30	——	GND
13	○	SELECT	31	|	/INIT
14	○	/AUTOFD*	32	○	/FAULT
15	——	(No connection)	33	——	(No connection)
16	——	GND	34	——	(No connection)
17	——	GND	35	——	(No connection)
18	○	VCC	36	|	/SELIN*

The mark of (*) signal is used for bi-directional communication.

Function of signals

Signal name	Function
/STB	Signal which transfers the data to the printer. Normally, it is “High”. Printer saves the data until the signal becomes “High”.
DATA0 ~ DATA7	Input signal which receive 8 bit data. Logic 1 is “High”. DATA 0 is LSB, DATA 7 is MSB.
/ACK	Signal which shows that data is stored in the device. It is reply to STB signal.
BUSY	Signal which shows that printer can not receive the data. When it is “Low”, the printer allows to receive the data.
PE	Signal which shows no paper condition. When there is paper, it is “Low”, when there is no paper, it becomes “High”.
SELECT	Signal which shows on line condition. When it is “High”, the printer allows to receive the data.
/AUTOFD	Use at bi-directional communication
GND	Ground
VCC	Signal which shows printer power is “ON”. It allows to check printer ON/OFF condition and cable connecting condition.
/INIT	Signal which initializes printer. Normally, it is “High” and it will initialize when signal becomes “Low”.
/FAULT	Signal which shows printer is error condition.
/SELIN	Use at bi-directional communication

Specifications

■ Printer

Refer to copier function operating guide.

■ Printer Unit

Resolution:	Max. 600 dpi (True)/1200 dpi (Smoothing)
Print Speed:	DP-355/D355DC: 35 ppm (pages per minute) Letter/A4 DP-455 : 45 ppm (pages per minute) Letter/A4 DP-605 : 60 ppm (pages per minute) Letter/A4
Paper Size:	Ledger - Invoice via paper tray 4″ × 6″ - 11″ × 17″ via sheet bypass A6R - A3 via sheet bypass
Memory Capacity:	8 MB/Standard (16 MB, 32 MB option, Max. 40 MB)
Spooling Memory:	Hard Disk (128, 256 or 512 MB / Option)
Printer Discription Language:	PCL 5e, (Postscript level 2/FA-MC360)
Interface:	Bi-directional parallel (IEEE 1284), Network I/F (Option)
Font:	PCL5e: 46 PCL fonts, PS: 36 PS fonts
Operating System:	PCL5e: Windows 95/98/Me/2000/NT 4.0 PostScript level 2: Windows 95/NT 4.0 (MacOS7.X support available with Postscript option)

Specifications are subject to change without notice.

Specifications

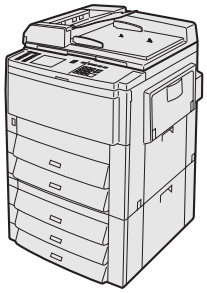
■ Options specifications

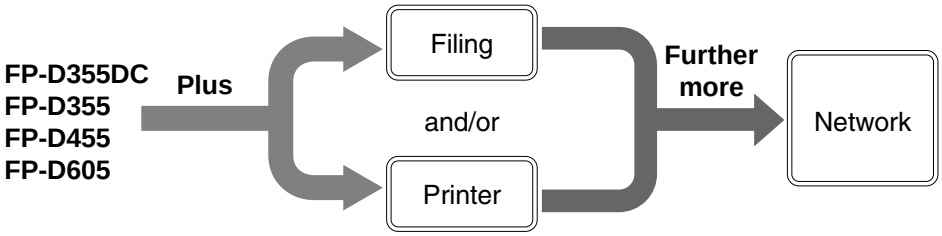
Refer to operating instructions (copier function).

System Information

■ The FP-D355/D355DC/D455/D605 series is a powerful multi-function digital copier which can combine copying, printing, electronic filing and network functions all in one unit! Superior output quality is ensured with 600 dpi resolution in both copying and printing modes.
We hope you find that the wide ranging capabilities of the FP-D355/D355DC/D455/D605 will make your office-place more productive and efficient.

■ Procedure for system upgrades





● Before system upgrades

Part name	Part No.	Remarks
Printer Controller/ HDD Mounting Kit	FA-PK30	Control panel for mounting the printer and filing unit

For Filing

Part name	Part No.	Remarks
1. DD Filing Unit (For FP-D355/D355DC)	FA-WA11	Set up unit for Filing ● Hard Disk (2GB), Card reader, Removable media, Battery, Personal cards (10)
2. DD Filing Unit (For FP-D455/D605)	FA-WA12	
3. DD Browser Software	FA-WB10	For FA-WA11/FA-WA12

For Network

Network Adapter Card	FA-NE35	Network PCB (Ethernet) for printer and filing

NOTE

● Information regarding the options for Filing, Printer, Network can be found in each of the options respective operating guides.

Font Table 1

Font Code	PCL Font	Compatible Font
0	CG-Times	Dutch 801 Roman SWC
1	CG-Times Italic	Dutch 801 Italic SWC
2	CG-Times Bold	Dutch 801 Bold SWC
3	CG-Times Bold Italic	Dutch 801 Bold Italic SWC
4	Univers	Swiss 742 SWC
5	Univers Italic	Swiss 742 Italic SWC
6	Univers Bold	Swiss 742 Bold SWC
7	Univers Bold Italic	Swiss 742 Bold Italic SWC
8	Univers Condensed	Swiss 742 Condensed SWC
9	Univers Condensed Italic	Swiss 742 Condensed Italic SWC
10	Univers Condensed Bold	Swiss 742 Condensed Bold SWC
11	Univers Condensed Bold Italic	Swiss 742 Condensed Bold Italic SWC
12	Antique Olive	Incised 901 SWC
13	Antique Olive Italic	Incised 901 Italic SWC
14	Antique Olive Bold	Incised 901 Bold SWC
15	CG Omega	Zapf Humanist 601 SWC
16	CG Omega Italic	Zapf Humanist 601 Italic SWC
17	CG Omega Bold	Zapf Humanist 601 Bold SWC
18	CG Omega Bold Italic	Zapf Humanist 601 Bold Italic SWC
19	Garamond	Aldine 430 Original Garamond SWC
20	Garamond Italic	Aldine 430 Original Garamond Italic SWC
21	Garamond Bold	Aldine 430 Original Garamond Bold SWC
22	Garamond Bold Italic	Aldine 430 Original Garamond Bold Italic SWC
23	*Courier Medium	Fixed Pitch 810 Courier Roman SWC
24	*Courier Bold	Fixed Pitch 810 Courier Bold SWC
25	*Courier Italic	Fixed Pitch 810 Courier Italic SWC
26	*Courier Bold Italic	Fixed Pitch 810 Courier Bold Italic SWC
27	Letter Gothic Regular	Fixed Pitch 850 Letter Gothic 12 pitch/text
28	Letter Gothic Bold	Fixed Pitch 850 Letter Gothic Bold 12 pitch
29	Letter Gothic Italic	Fixed Pitch 850 Letter Gothic Italic 12 pitch
30	Albertus Medium	Flareserif 821 SWC
31	Albertus Extrabold	Flareserif 821 Extra Bold SWC
32	Clarendon Condensed	Clarendon 701 Condensed SWC
33	Coronet	Ribbon 131 SWC
34	Marigold	Audrey Two SWC
35	*Arial	Swiss 721 SWM
36	*Arial Italic	Swiss 721 Oblique SWM
37	*Arial Bold	Swiss 721 Bold SWM
38	*Arial Bold Italic	Swiss 721 Bold Oblique SWM
39	*Times New Roman	Dutch 801 Roman SWM
40	*Times New Roman Italic	Dutch 801 Italic SWM
41	*Times New Roman Bold	Dutch 801 Bold SWM
42	*Times New Roman Bold Italic	Dutch 801 Bold Italic SWM
43	*Symbol	Symbol SWM
44	*Wingdings	Wingbats-MS Logo SWM
45	Japanese font	(Not supported)
46	Japanese font	(Not supported)

Font Table 2

Font Code	PS Font	Compatible Font
0	Times-Roman	Dutch 801 SWA
1	Times-Bold	Dutch 801 Bold SWA
2	Times-Italic	Dutch 801 Italic SWA
3	Times-BoldItalic	Dutch 801 Bold Italic SWA
4	Helvetica	Swiss 721 SWA
5	Helvetica-Bold	Swiss 721 Bold SWA
6	Helvetica-Oblique	Swiss 721 Oblique SWA
7	Helvetica-BoldOblique	Swiss 721 Bold Oblique SWA
8	Courier	Fixed Pitch 810 Courier SWA
9	Courier-Bold	Fixed Pitch 810 Courier Bold SWA
10	Courier-Oblique	Fixed Pitch 810 Courier Italic SWA
11	Courier-BoldOblique	Fixed Pitch 810 Courier Bold Italic SWA
12	Symbol	Symbol SWA
13	NewCenturySchlbk-Roman	Century 702 Century Schoolbook SWA
14	NewCenturySchlbk-Italic	Century 702 Century Schoolbook Italic SWA
15	NewCenturySchlbk-Bold	Century 702 Century Schoolbook Bold SWA
16	NewCenturySchlbk-BoldItalic	Century 702 Century Schoolbook Bold Italic SWA
17	Bookman-Light	Revival 711 ITC Bookman Light SWA
18	Bookman-LightItalic	Revival 711 ITC Bookman Demi Italic SWA
19	Bookman-Demi	Revival 711 ITC Bookman Demi Bold SWA
20	Bookman-DemiItalic	Revival 711 ITC Bookman Demi Bold Italic SWA
21	Helvetica-Narrow-Bold	Swiss 721 Narrow Bold SWA
22	Helvetica-Narrow-BoldOblique	Swiss 721 Narrow Bold Oblique SWA
23	Helvetica-Narrow	Swiss 721 Narrow SWA
24	Helvetica-Narrow-Oblique	Swiss 721 Narrow Oblique SWA
25	AvantGarde-Book	Geometric 711 ITC Avant Garde Gothic Book SWA
26	AvantGarde-BookOblique	Geometric 711 ITC Avant Garde Gothic Book Oblique SWA
27	AvantGarde-Demi	Geometric 711 ITC Avant Garde Gothic Demi SWA
28	AvantGarde-DemiOblique	Geometric 711 ITC Avant Garde Gothic Demi Oblique SWA
29	ZapfChancery-MediumItalic	Chancery 801 ITC Zapf Chancery Medium Italic SWA
30	ZapfDingbats	ITC Zapf Dingbats SWA
31	Palatino-Roman	Zapf Calligraphic 801 SWA
32	Palatino-Bold	Zapf Calligraphic 801 Bold SWA
33	Palatino-Italic	Zapf Calligraphic 801 Italic SWA
34	Palatino-BoldItalic	Zapf Calligraphic 801 Bold Italic SWA
35	Japanese font	(Not supported)
36	Japanese font	(Not supported)

Symbol Table

No.	Symbol Set	No.	Symbol set
0	Legal (HP Legal)	18	ECMA 94 (Latin 1)
1	ISO 4 (United Kingdom)	19	Macintosh
2	ISO 6 (ANSI, ASCII)	20	Math 8 (HP Math 8)
3	ISO 11 (Swedish/French)	21	Microsoft Publishing
4	ISO 15 (Italian)	22	Pi Font (HP Pi Font)
5	ISO 17 (Spanish)	23	PS Math
6	ISO 21 (German)	24	PS Text
7	ISO 60 (Norwegian, v.1)	25	Ventura International
8	ISO 69 (French)	26	Ventura Math
9	ISO 8859/2 Latin 2	27	Ventura US
10	ISO 8859/2 Latin 5	28	Windows
11	PC-8 (IBM-8, Code Page 437)	29	Windows 3.1
12	PC-8 DN (Denmark/Norway)	30	Windows 3.1 Latin 2
13	PC-850 (IBM-850)	31	Windows 3.1 Latin 5
14	PC-8 TK (Code Page 437T)	32	Symbol, Windows 3.1
15	PC-852 Latin 2	33	Wingdings, Windows 3.1
16	Roman 8	34	Baltic (PC-1004)
17	Desk Top	35	Baltic (PC-775 Baltic)

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